DAY 15th MONTH Oct YEAR 09 OBS-PC SM TMF/40 FM Tw HOW FOUND FT

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	OZ	AN	GRID	MNK	SP	PT
Estrus													3	1		1			1	2								1					2		1		1			2								
5:45																																																
6:00																																																
6:15																																																
6:30																																																
6:45																																																
7:00				X								X																							X	X									M/27	RDT	FCP	RF
7:15				X								X																							X	X										None	"	"
7:30				X																															X	X											"	"
7:45				X																															X	X											—	—
8:00														X					X	X	X	X													X	X	X	X			X		X				FCP	RF
8:15											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					
8:45	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	X			X	X	X	X				
9:00	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	X			X	X	X	X				
9:15	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	X			X	X	X	X				
9:30	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	X			X	X	X	X				
9:45	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	X			X	X	X	X				
10:00	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	X			X	X	X	X				
10:15	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	X			X	X	X	X				
10:30	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	X			X	X	X	X				
10:45	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	X			X	X	X	X			↓	↓
11:00	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			X	X	X	X	X	X			X	X	X	X			FCP	RF
11:15	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	X	X	X	X			X	X	X				—	—
11:30	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	X	X	X	X			X	X	X				FBR	RF
11:45	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	X	X	X	X			X	X	X					
12:00	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	X	X	X	X			X	X	X					
12:15	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	X	X	X	X			X	X	X					
12:30	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	X	X	X	X			X	X	X		↓	↓	↓	↓
12:45	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	X	X	X	X			X	X	X		M/27	None	FBR	RF
13:00	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	X	X	X	X			X	X	X		M/27	None	THV	THV
13:15	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	X	X	X	X			X	X	X				—	—
13:30	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	X	X	X	X			X	X	X				—	—
13:45	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	X	X	X	X			X	X	X				THV	THV
14:00	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	X	X	X	X		X	X	X	X				"	"
14:15	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	X	X	X	X		X	X	X	X				FBR	RF
14:30	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	X	X	X	X		X	X	X	X		↓		"	"
14:45	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	X	X	X	X		X	X	X	X		M/27		—	—
15:00	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	X	X	X	X		X	X	X	X		N/27		CHT	YL
15:15	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	X	X	X	X		X	X	X	X				"	"
15:30	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	X	X	X	X		X	X	X	X				THV	THV
15:45	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	X	X	X	X		X	X	X	X		↓		CHT	YL
16:00	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	X	X	X	X		X	X	X	X		N/27		—	—
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	X	X	X	X		X	X	X	X		N/28	↓	FEX	YL
16:30	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	X	X	X	X		X	X	X	X		"	None	"	"
16:45	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	X	X	X	X		X	X	X	X		O/28	BWC	THV	THV
17:00	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	X	X	X	X		X	X	X	X		"	None	"	"
17:15	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	X	X	X	X		X	X	X	X		"		"	"
17:30	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	X	X	X	X		X	X	X	X		O/29		MMS	RF
17:45	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	X	X	X	X		X	X	X	X				"	"
18:00	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	X	X	X	X		X	X	X	X				"	"
18:15	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	X	X	X	X		X	X	X	X				CHT	YL
18:30	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	X	X	X	X		X	X	X	X		↓	↓	"	"
18:45	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	X	X	X	X		X	X	X	X		O/29	None	—	—
19:00																																																
19:15																																																
19:30																																																
19:45																																																
20:00																																																
20:15																																																
20:30																																																
Health	1	1	1	1	4	1	1	1	1	1	4	1	4	1	1	1	1	1	2	1	1	1						1	1	1			1	*	1	1	1	1		1	1	1	1	1				

COMMENTS AJ has a wound on Ankle of his left foot; PB has afresh wound on his Anus 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 EU has wet cough, WE was seen her left eye swollen.

WL① OT② OM① OT① BU①

KPC Behavior

Day 15th Month Oct Year 09 KPC SM Others FMTW Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
658	OBS Found YB TJ and WL (WC) in				FCP	tree				
	feeding On Mpe fruits at S				S/JJ					
700	TJ YB	WL	WC		S/JJ	✓	FCP	RF	RD	
707	TJ leaving the feeding tree and climbed									
	down on ground									
715	YB TJ	WL	WC		S/JJ	✓	FCP	RF	Ø	
717	TJ left the party and Moved away									
725	WL (WC) leaving the feeding tree									
728	WL (WC) building a day nest tree = Albizi									
	a HT = 15M high									
730	YB	WL	WC		S/JJ	✓	FCP	RF	Ø	
740	YB leaving the feeding tree and Moving									
	on ground.									
745	YB	WL	WC		S/JJ				Ø	
746	NP BU and OM OT with their				families joined					

Aggression/Received Aggression (Use additional sheets and describe on back if necessary) they made pant hoots

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 Oct Year 09 KPC SM Others FmTw Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
748	YB left the party and moved away									
750	BU NP and GT OU with their families									FBK
	climbed into FCP tree making food barks									
	at same time OU chased BU who fled									
	screaming in afeeding tree									
751	BU approach to GT while screaming she									
	extend hand to her then GT chasing OT									
	who fled silent									
752	WL(WE) approach OU she presented to her									
	OU inspected WL by touch on her estrous									
	both made screams at same time OU									
	WL made joint chasing BU who fled									
	screaming									
758	GT chased OT in afeeding tree she fled									
	silent									

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
750	OU			8sec				BU		F	Scream				Food Competition	T
751	GT			35ec				OT		F	Silent				Unknown	T
752	OU WL			6sec				BU		F	Scream				" "	T
758	GT			38ec				OT		F	Silent				" "	T

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
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RD: Rain display; **SOIL**: Eating red soil; **STK**: Stick use; **TLU**: Tool use; **UNF**: Unusual food; **Q**: Other unusual events
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AL ① BL ③

KPC Behavior

Day 15th Month Oct Year 09 KPC SM Others Fm Tw Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
800		WL OU OT BU QT	WC OG QV	NP OL OM	S/JG	✓	FCP	RF	Ø	
802	Other ID's joined the party but no calls									
	made.									
815	PB	WL OU OT BU QT	WC OG QV AT	NP OL OM	S/JG	✓	FCP	RF	Ø	
821	AT leaving the feeding tree									
822	BU build a day nest with in a feeding									
	tree HT = 20 m									
830	PB	WL OU OT BU QT	WC OG QV AT	NP OL OM	S/JG	✓	FCP	RF	Ø	
830	Some ID's on a distant made pant hoots then PB made NVD OT fled silent and OU OG									
	fled pant barking PB continued displaying									
	and made attack ① to OM with slaps									
	she fled screaming OU made waar barks									
830	OU was heard coughing (wet cough).									
832	Other ID's joined the party all they									
	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
830	PB		8sec		✓			OM		F	Scream				Unknown	T

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 Oct Year 09 KPC SM Others FmTW Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
835	ST made attack (T) to OU with kicks she									
	Screamed and retaliate, by exchaging slaps									
	with ST and she chased him ST fled silent									
841	KK chasing BL who fled screaming									
845	KK LK MS TU AJ BB PG PB ES ST TJ JB	OU BU OT BL AL GT WL	QV WC OG AZ AT BO	OL OM AN NP EU	S/Jg	✓	FCP	RF	Ø	
847	KK made NVD in afeeding tree but no									
	one responded									
900	KK LK ES TU AJ MS ST TJ PG PB BB	OU OT WL AL GT BL BU	QV WC OG AT AZ BO	OL OM AN EU NP	S/Jg	✓	FCP	RF	Ø	
901	BB MS ST LK KK TU PG AJ and BL BO leaving the									
	feeding tree and rest on ground									
904	MS grooming ST and PG grooming KK									
905	chain groom PG → KK — AJ									
907	TU and PG both grooming KK									
908	Hand clasp mutual groom TU ↔ ST ← MS									Hcg
909	MS and TU both groomed ST after hand clasp									

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
835	ST				✓			OU	✓		Scream		✓		Unknown	T
841	KK			4sec				BL		F	Scream				Sexual competition	T
847	KK		3sec					None							Unknown	T

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
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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 Oct Year 09 KPC SM Others FM TW Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
910	chain groom KK → BB → AJ									
911	BL build a day nest tree = Dosp HT = 14M									
912	ST grooming TU and AJ grooming BB									
915	ES MS BB AJ LK ST PB YB KK TJ PG TU	BL OU AL OT QT WL BU	OG QN BO WC AT AZ	NP EU OL OM AN	S/Jg	✓	FCP	RF	Ø	
928	It started raining									RN
930	ES MS BB AJ LK ST PB YB KK TJ PG TU	BL OU AL OT QT WL BU	OG QN BO WC AT AZ	NP EU OL OM AN	S/Jg	✓	FCP	RF	Ø	
931	KK made non vocal rain displays ST MS YB									RD
	fled screaming and AJ PG fled silent climb									
	ing tree's while LK mate guarding BL who									
	is the nest									
945	ES BB AJ LK ST PB MS YB LK TJ PG TU	BL OU AL OT QT WL BU	OG QN BO WC AT AZ	NP EU OL OM AN	S/Jg	✓	FCP	RF	Ø	
1000	ES MS BB AJ LK ST PB YB KK TJ PG TU	BL OU AL OT QT WL BU	OG QN BO WC AT AZ	NP EU OL OM AN	"	✓	"	"	Ø	
1015	ES MS BB AJ LK ST PB YB KK TJ PG TU	BL OU AL OT QT WL BU	OG QN BO WC AT AZ	NP EU OL OM AN	"	✓	"	"	Ø	
1030	ES MS BB AJ LK ST PB YB KK TJ PG TU	BL OU AL OT QT WL BU	OG QN BO WC AT AZ	NP EU OL OM AN	"	✓	"	"	Ø	
1036	QT approach pant grunting and extending hand to PG he ignored									PTg

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
931	KK		10sec					ST MS YB		F	Scream				Social excitement	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
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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?)

Mu ① Wa ② KPC Behavior

Day 15th Month Oct Year 09 KPC SM Others Fm Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1045	KK BB LK MS TU ST PB ES AJ TJ JB	AL OU OT BL BU WL	WC BV AT AZ 09 BO	OL OM NP EU AN	S/JG	✓	FCP	RF	Ø	
1047	pg moved towards BL for copulation in the									
	tree then LK KK BB AJ ES made waars									
	and NVD chasing him pg fled screaming									
1054	MS ST pg made soft screams and MS									
	mounted BB at same time KK made NVD									
	chasing pg who fled screaming									
1058	Mu (MN) Mx Wa (WE) joined the party but									
	no calls made									
1100	KK BB LK TU ES MS PB AJ TJ PG JB ST	AL MU WA BL BU OU OT WL	AT WC AZ 09 BO MX MN	WE OM OL EU AN NP	S/JG	✓	FCP	RF	Ø	
1102	PB moved towards BL for copulation									
	other males in a poor view made waars									
	against him, PB fled screaming									
1104	AT chasing Wa who fled screaming									
1113	Chimps leaving the feeding tree and moving								✓	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary) AL AN AZ remained behind

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
1047	~~KK~~ ES	8sec		3sec				pg		F	Scream				Sexual competition	g
1054	KK		10sec	4sec				pg		F	Scream				Unknown	g
1104	AT			2sec				Wa		F	Scream				" "	g

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1103	4sec	BL	KK	NO	NO	NO	NO	KK	

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 Oct Year 09 KPC SM Others FM Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1115	KK BB AJ PG ES PB MS ST TU YB LK	WA OT WL BT OU MU BL	OG MX MN WC AT BW BO	OV OM WE NP EU	5 / JG				Ø	
1129	Chimps climbed into FBR tree while making									FBK
	food barks and started feeding on ripe									
	fruits									
1130	KK BB MS TU PG YB ST LK TJ ES PB	OU OT BT WA BL WL BU MU	AT WC BW OG WB BP MN MX	WE OL OM EU NP	29.4 / JG	✓	FBR	RF	Ø	
1145	KK BB MS TU AJ PG YB ST LK ES PB	OU OT BT WA BL WL BU MU	AT WC BW OG BD MN MX	WE OL OM EU NP	"	✓	"	"	Ø	
1154	Some ID's leaving the feeding tree and									
	entered into THV and started feeding in									
	a dense vegetation									
1200	KK BB ST MS AJ TU LK YB PG ES TJ PB	OU OT BT WA BL WL BU MU	AT WC BW MX BO MN OG	WE OL OM EU NP	29.4 / JG	✓	FBR THV	RF THV	Ø	
1202	it stoped raining									
1215	KK BB ST MS AJ TU LK YB PG ES TJ PB	OU OT BT WA BL WL BU MU	AT BO BW OG WC MX MN	WE OL OM EU NP	29.4 / JG	✓	FBR THV	RF THV	Ø	
1230	KK BB ST MS AJ TU LK YB PG ES TJ PB	OU OT BT WA BL WL BU MU	AT BO BW OG WC MX MN	WE OL OM EU NP	"	✓	"	"	Ø	
1245	KK BB ST MS AJ TU LK YB PG ES TJ PB	OU OT BT WA BL WL BU MU	AT BO BW OG WC MX MN	WE OL OM EU NP	"	✓	"	"	Ø	
1250	Chimps all leaving the feeding tree and moving									

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

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	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 Oct Year 09 KPC SM Others FM TW Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1300	KK TU MS WK ST BB YB PB PG ES TJ AJ	BL BU WL QT MU OT WA	OG MX MN AT WC BO QN	OL OM NP EU WE	2gen JG	✓	THV	THV	Ø	
1303	LK grooming AJ and PB grooming WA									
1304	KK grooming WL									
1305	PB grooming QT									
1306	Hand clasp mutual groom PB ←→ QT									Hcg
1306	BL grooming BU									
1308	Hand clasp mutual groom AJ ←→ LK									Hcg
1308	BU grooming BL									
1309	Hand clasp mutual groom BL ←→ BU									Hcg
1310	BU groomed BL after hand clasp									
1311	Hand clasp mutual groom KK ←→ WL and									Hcg
	PB ←→ QT									
1313	QT groomed PB after hand clasp									
1314	WL groomed KK after hand clasp									
1315	KK BB TU YB MS AJ WK PB PG TJ ES ST	BL WA MU OU OT BU WL QT	OG MN MX AT WC BO QN	OL OM NP EU WE	2gen JG				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
1307	7sec	BL	KK	NO	NO	NO	NO	KK	

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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 oct Year 09 KPC SM Others FM TW Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1323	Hand clasp mutual groom Gn <-> PB									Hcg
1326	chain groom BO -> BL -> BU									
1326	Gn groomed PB after hand clasp									
1329	chain groom BU -> BL -> BO									
1330	KK TU MS BR YB PJ WE SP EPB GX TJ	BL BU WL OU OT WG BY MU	BO DG AT WT EW BN MX MN	EU WE NP OL OM	29 eas / JG				Ø	
1330	Hand clasp mutual groom LK <-> AJ									Hcg
1332	LK groomed AJ after hand clasp									
1333	WE was seen her left eye swollen									
1334	WL approach pant grunting to LK he groomed her									PTG
1335	log grooming NP									
1335	Hand clasp mutual groom BL <-> BU									Hcg
1336	During cop. BO Interfered by pushing YB and other male made waars YB stoped and screamed approach KK and touch on KK testicles then KK groomed YB									
1341	chain groom AT -> LK -> PG									
1343	Hand clasp Mutual groom PG <-> LK									Hcg

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

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 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
1336	3sec	BL	YB	yes	NO	No	NO	YB	BO and Others

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full
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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?)

ML ②

KPC Behavior

Day 15th Month Oct Year 09 KPC SM Others FM TW Found FT

Time	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1343	KK Inspecting WA by smelling on her estrous									
1348	KK PG SG MS ES BB ST AJ PB LK TU YB TJ	WA MU WL GA BL BU OU OT	AT WC GW MN MX BO OG	NP EU WE OL OM	29ex / J9	✓	THV	THV	⊖	
1353	Some one attacked BU in a poor view with kicks she fled screaming									
1356	PB chased AT and made attack ① to him with kicks he fled screaming									
1400	KK TU PG MS YB BB TJ AJ ST LK BP PG ES	ML WL MU BL WA GA BU OU OT	BO GW WE MN MX OG AT	NP EU WE OM OL	29ex / J9	✓	THV	THV	⊖	
1409	chimps climbed into FBR tree while make food barks then feeding on ripe fruits									FBK
1415	KK TU PG MS YB PB TJ ST LK BB PG ES	ML WL BL WA MU GA BU OU OT	BO GW MN WE MX AT OG	NP EU WE OL OM	28ex / J9	✓	FBR	RF	⊖	
1419	ES made attack ① to PB with kicks he fled screaming Others didn't respond									
1430	KK MS PG BB AJ ST LK YB PB TJ TU ES	ML WL BL WA MU GA BU OU OT	BO GW MN WE MX AT OG	NP WE EU OL OM	28ex / J9	✓	FBR	RF	⊖	
1437	chimps leaving the feeding tree and moving									
1439	During CP of ST BO screamed push ST he ignored and KK made NVD approach LK they made screams ✓ Make soft bites on each other									

Aggression/Received Aggression

(Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	No	Av	Submission	Tn	Rt	RA	Context	Height T or G
1356	PB			23sec	✓			AT		F	Scream				Unknown	G
1419	ES				✓			PB		F	Scream				Unknown	T

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1429	10sec	ML	AT	NO	NO	yes	Yes	ML	
1439	7sec	BL	ST	yes	No	NO	NO	ST	BO and KK interfered
1441	8sec	BL	BB	NO	NO	NO	NO	BB	

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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

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1356 ML joined the party but no calls made

KPC Behavior

Day 15th Month Oct Year 09 KPC SM Others FMTW Found FT

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1440	ES chased AT who fled screaming									
1445	KK LK BB PG ST ES TJ AJ MS YB PB TU	OU WL QT BU OT ML BL MU WA	OG WC BO AT BN MX MN	NP EU WE OL OM	28ext / JG				Ø	
1455	AJ feeding on CHT young leaves									
1457	PB has a fresh wound on his Anus									
1458	BL has a wound on wrist of her right hand									
1459	AJ has a wound on Ankle of his left foot									
1500	KK LK BB PG ST ES TJ AJ MS YB PB TU	OU WL ML QT WA BL MU BU	OG WC BO AT BN MX MN	NP EU WE OL OM	K / JG	✓	CHT	YL	Ø	
1515	KK LK BB PG ST ES TJ AJ MS YB PB TU	OU WL ML QT WA BL MU BU	OG WC BO AT BN MX MN	NP EU WE OL OM	"	✓	"	"	Ø	
1530	KK LK BB PG ST ES TJ AJ MS YB PB TU	OU WL ML QT WA BL MU BU	OG WC BO AT BN MX MN	NP EU WE OL OM	"	✓	THV	THV	Ø	
1545	KK LK BB PG ST ES TJ AJ MS YB PB TU	OU WL ML QT WA BL MU BU	OG WC BO AT BN MX MN	NP EU WE OL OM	"	✓	CHT THV	YL THV		
1558	Bu chased ML who fled screaming									
1600	KK LK BB PG ST ES TJ AJ MS YB PB TU	OU WL ML QT WA BL MU BU	OG WC BO AT BN MX MN	NP EU WE OL OM	K / JG				Ø	
1610	Chimps climbed into FEX tree making									FBK
	food barks and feeding on young leaves									
1615	KK MS BB PG ST ES TU LK YB PB TJ AJ	OU QT WA MU OT WL ML BL BU	OG WC BO AT BN MX MN	NP EU WE OL OM	BFP / krd	✓	FEX	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
1440	ES			6sec				AT		F	Scream				Unknown	g
1558	Bu			8sec				ML		F	Scream				" "	T

Copulation

Time	Duratio	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1451	6sec	BL	AJ	NO	NO	NO	NO	AJ	
1556	7sec	BL	PB	yes	No	NO	yes	PB	Males Male wear barks
1615	5sec	BL	BB	NO	NO	NO	NO	BB	

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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
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KPC Behavior

Day 15th Month Oct Year 09 KPC SM Others FM TW Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1630	KK TU ST MS BB JJ RY PJ LK PB PG ES	OU OT WL WA ML MY BL BU GT	OG BO WE BN AT MX MN	OL OM EU WE NP	BFP Krd	✓	FEX	YL	∅	
1630	LK grooming BL									
1636	Chimps leaving the feeding tree and moving									
	On ground									
1642	Some IB's feeding on THv									
1645	KK TU ST MS BB TJ BY LK PB AP PG ES	OU OT WL WA MU ML BL BU GT	OG BO WE BN AT MX MN	OL OM EU WE NP	KTM Krd	✓	THV	THV	BWC	
1700	KK TU ST MS BB TJ RY LK AP PG PB ES	OU OT WL WA MU ML BL BU GT	OG BO WE BN AT MX MN	OL OM EU WE NP	"	✓	"	"	∅	
1701	LK Made Attack ① to BL with Kicks She Scream									
	but not avoid									
1715	KK TU ST MS BB JJ RY LK PB PJ PG ES	OU OT WL WA MU ML BL BU GT	OG BO WE BN AT MX MN	OL OM EU WE NP	KTM Krd	✓	THV	THV	∅	
1721	LK grooming AJ									
1722	AJ grooming LK									
1729	Chimps climbed into MMS tree Silent and									
	Started feeding on ripe fruits									
1730	KK TU ST MS BB RY LK PB TJ AJ PG ES	OU OT WL WA MU ML BL BU GT	OG BO WE BN AT MX MN	OL OM EU WE NP	KTM Krd	✓	MMS	RF	∅	

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

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Context	Height T or G
1701	LK				✓			BL	✓		Scream				Unknown	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 Oct Year 09 KPC SM Others FMTW Found FT

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1745	KK BB YB MS PG PB TU TJ ST ES AJ LK	WA MU OU OT BT WL BL BU ML	OG QV WE AT BO MX MN	OL OM NP EU WE	KTM Krd	✓	MMS	RF	Ø	
1800	KK BB YB MS PG PB TU TJ ST ES AJ LK	WA MU OU OT BT WL BL BU ML	OG QV WE AT BO MX MN	OL OM NP EU WE		✓	MMS CHT	RF YL	Ø	
1809	Chimps leaving the feeding tree and moving									
1813	YB chased OT who fled screaming WL QT									
	also fled pant barking									
1815	KK MS PG TU BB YB PB TJ ST ES AJ LK	WA MU OU OT BT WL BL BU ML	OG QV WE AT BO MX MN	OL OM NP EU WE	KTM Krd	✓	CHT THV	YL THV	Ø	
1830	KK MS PG TU BB YB PB TJ ST ES AJ LK	WA MU OU OT BT WL BL BU ML	OG QV WE AT BO MX MN	OL OM NP EU WE	"	✓	"	"	Ø	
1843	PG build aright nest tree = TEC HT = 6m									
	Dbh = 15cm									
1844	PB build aright nest tree = UVA HT = 6m									
	Dbh = 14cm									
1845	KK TU MS BB YB AJ LK PG PB ES TJ ST	WA MU OU OT BT WL BL BU ML	OG QV WE AT BO MX MN	OL OM NP EU WE	KTM Krd				Ø	
1846	TU build aright nest, tree = strobosia HT									
	= 8m Dbh = 23 cm									
1847	WA (WE) build aright nest tree = MMS HT = 18M Dbh = 28 cm									

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
1813	YB			4sec				OT		F	Scream				unknown	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
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1852 OBS leaving the nest site.