DAY 18th MONTH Sept YEAR 09 OBS-PC SM TMF/40 SK JMK KJ TWRM 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	GRID	MNK	SP	PT
Estrus													3																		1								2								
5:45																																														
6:00																																														
6:15																																														
6:30							X					X																														O/27	None	—	—
6:45							X					X																																—	—
7:00							X					X																																APH	RF
7:15							X					X																													X		None	"	"
7:30							X					X																															O/27	RDC	—	—
7:45	X						X					X																															N/28		—	—
8:00	X						X					X	X	X	X																													—	—
8:15	X						X					X	X	X	X																													THV	THV
8:30	X						X					X	X	X	X																													"	"
8:45	X						X					X																																	AFR	PHY
9:00	X						X					X																																	"	"
9:15	X						X					X																															N/28	None	—	—
9:30	X						X					X																															N/27	BLU	APH	RF
9:45	X				X		X					X																																"	"	"
10:00	X				X		X					X																																*	"	"
10:15	X				X		X					X																																*	—	—
10:30	X				X		X					X																																BLU	—	—
10:45	X				X		X					X																															N/27	"	—	—
11:00	X				X							X																															N/28	None	—	—
11:15	X				X							X																															"		THV	THV
11:30												X																															N/27		CAF	YL
11:45												X																															M/27		—	—
12:00												X																																	MMS	RF
12:15												X																																	"	"
12:30												X																																	"	"
12:45												X																															M/27	None	—	—
	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				
13:00												X																															M/27	AMB	PHY	RF
13:15												X																															"	"	—	—
13:30												X																															M/26	None	—	—
13:45												X																															"		—	—
14:00												X																															N/25		—	—
14:15												X																																None	FFR	RF
14:30												X																																RDC	APH	RF
14:45												X																																BWC	PHY	RF
15:00												X																																		
15:15												X																																		
15:30												X																																		
15:45												X																																PHY	RF
16:00												X																																	—	—
16:15												X																																	—	—
16:30												X																																BWC	—	—
16:45												X																																None	APH	RF
17:00												X																																	"	"
17:15												X																																	"	"	"
17:30												X																																None	—	—
17:45												X																			X	X												BWC	—	—
18:00												X																			X	X													—	—
18:15												X																			X	X													—	—
18:30												X																			X	X												N/25	BWC	—	—
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	GRID	MNK	SP	PT
Health	1				1		1					1	1	1	1																1								1							

COMMENTS Blu and Bwc from 1000 — 1015.

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

RD (2)

KPC BEHAVIOUR

DAY: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJTWRMSKJMK FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
628	OBS arrived at the nest site									
630	LK TJ				19/JJ				Ø	
645	LK TJ				"				Ø	
645	LK leaving the night nest									
646	TJ leaving the night nest									
647	LK entered into Aph tree and started feeding silent									
650	TJ made VD and buttress bungs LK made waars									
658	TJ made VD and buttress bungs LK made pant hoots									
700	LK TJ				19/JJ	✓	APH	RF	Ø	
700	LK made pant hoots TJ made VD									
702	TJ climbed into APH tree making food barks									FBK
702	RD joined LK and TJ no calls made									
713	LK made abranch shake against TJ who avoid casual screaming									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
650	TJ	5sec						None							wake	2
658	TJ	5sec						None							"	2
700	TJ	4sec						None							"	2

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
703	6sec	RD	TJ	NO	No	yes	yes	RD	

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: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJTWRMSKJMK FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
715	LK TJ	RD			19/J9	V	APH	RF	Ø	
715	LK Moved towards RD who fled pant barking at same time LK leaving the feeding tree									
717	LK Made VD and buttress bungs RD Made Waars									
722	TJ climbed down on ground and moving following LK									
727	LK Made VD and buttress bungs TJ made pant hoots									
730	TJ LK				OLT/NFP				RDC	
733	LK Made VD and TJ joined him making VD at Sametime they joined TU then LK mounted him making soft screams									
742	LK made VD and TU TJ joined him Making VD									
745	TU LK TJ				K/J9				Ø	
745	TU made VD LK joined him making VD TJ made waars									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
717	LK	5sec						None							Unknown	9
727	LK	4sec						None							" "	9
733	LK	5						None							N Union	9
733	TJ	4sec						None							" "	9
742	LK	6sec						None							Unknown	9

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?)

726 RD is out of view

KPC BEHAVIOUR

DAY: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KT RM SK TMK FOUND: N

BU (3) BL (1)

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
748	Chimps joined BU then LK TU made joint				TU					
	VD BU fled pant barking climbed a tree									
749	TJ inspecting BU by smelling on her estrous									
753	TU made VD and LK joined him making VD									
	TU made buttress bangs BU TJ pant hooted									
759	BL BO joined the party BO approach pant									PTG
	grunting to TJ he ignored									
800	LK TU TJ	BL BU	BO		K TJ G				Ø	
800	LK TU made joint VD TJ joined them with									
	NVD BL fled screaming climbing a tree									
	TJ continued chasing her in a tree she									
	Continued screaming									
802	LK Made NVD and chased				TJ		who	fled		
	screaming climbing a tree									
803	Chimps entered into THV making									
	food grunts then feeding in a dense vege									FGR
	tation									
815	TU LK TJ	BL BU	BO		K TJ G		V THV	THV	Ø	

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
748	LK TU	85sec						BU		F		✓			Pt union	G
753	TU	6sec						None							Unknown	G
753	LK	5sec						None							" "	G
800	LK TU	15sec						BL		F		✓			Pt union	G
800	TJ		6sec	45ec				BL		F		✓			" "	G

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: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJ RMSK TMK FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
830	LK TU TJ	BL BL	BO		K/JJ	✓	THv	THv	∅	
838	BL and	her family left the party			and	moved				
	away	RM SK JM followed them								
845	LK TU TJ				K/JJ	✓	AFR	PITH	∅	
900	LK TU TJ				"	✓	"	"	∅	
914	Chimps	leaving THv and moving								
915	LK TU TJ				K/JJ				∅	
918	LK TU	Made joint VD TJ pant hooted								
923	TJ	climbed into APH tree and started								
	feeding Silent									
929	LK	Made VD and lowtress bungs TU pant								
	hooted									
930	LK TU TJ				BFP/JJ	✓	APH	RF	BLL	
938	AJ	joined the party making			screams	others				FBK
	Made	pant hoots and TJ made food barks								
942	AJ	climbed into APH tree and feeding								
945	LK TU AJ TJ				BFP/JJ	✓	APH	RF	BLL	
946	LK TU	climbed into APH tree while LK making NVD against AJ who avoid casual screaming			LK	extend	y			

Aggression/Received aggression hand to him. AJ made soft bites on hand.

Time	Aggr. ID	VD Duration	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
915	LK TU	6sec						None							Unknown	9
929	LK	4sec						None							" "	9
946	LK		6sec					AJ		C		✓			Social excitement	T

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: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJ FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
947	LK TU AJ all		Made	food barks			while feeding			FBK
949	TU Made abdomen shake against AJ								Sho	
	avoid Casual screaming									
1000	TU AJ LK TJ				BFP JG	✓	APH	RF	BW BWC	
1015	TU LK AJ TJ				"				"	
1018	Chimps climbed down on ground and									
	Resting									
1030	AJ TU LK TJ				BFP JG				BWC	
1044	Chimps started moving									
1045	AJ TU LK TJ				BFP JG				BWC	
1048	TU feeding on PTE young leaves						AJ TJ		looki	
	ng at him									
1050	AJ feeding on CAF young leaves									
1058	LK left the party and Moved away									
1100	TU AJ TJ				K JG				Ø	
1101	Chimps started feeding THV in						dense Vege			
	tation									
1115	TU AJ TJ				K JG	✓	THV	THV	Ø	

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

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KPC BEHAVIOUR

DAY: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJ FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1125	TJ Separated from Others				We	followed	him			
	b'se is afocal tanget leaving				AJ	TJ	behind			
1129	TJ feeding on CAF young leaves									
1130	TJ				BFF JJ	✓	CAF	YL	0	
1145	TJ				F/S				0	
1145	TJ climbed into MMS tree				Silent					
1148	TJ Started feeding on MMS ripe fruits									
1200	TJ				F/S	✓	MMS	RF	0	
1215	TJ				"	✓	"	"	0	
1230	TJ				"	✓	"	"	0	
1238	TJ leaving the feeding tree				but	he	didn't			
	come down									
1245	TJ				F/S				0	
1249	TJ Climbed down on ground and Moving									
1252	TJ feeding on THV									
1259	TJ feeding on PHY ripe fruits									
1300	TJ				F/S	✓	PHY	RF	MGR	
1303	TJ feeding on CAF young leaves									

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: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJ FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1315	TJ				F/29				MGR	
1325	TJ feeding on PHy ripe fruits									
1330	TJ				B/29				Ø	
1334	TJ climbing into FCP tree				Silent					
1336	TJ started feeding on FCP ripe fruits									
1344	TJ leaving the feeding and Moving									
1345	TJ				B/27				Ø	
1400	TJ				B/16				Ø	
1400	TJ climbing into FBR tree				Silent					
1402	TJ started feeding on FBR ripe fruits									
1415	TJ				B/16	✓	FBR	RF	Ø	
1420	TJ leaving the feeding and moving									
1425	TJ climbing into APH tree.				Silent					
1427	TJ feeding on APH ripe fruits									
1430	TJ				E/14	✓	APH	RF	RDe	
1435	TJ climbed down and moving on ground									
1439	TJ feeding on PHy ripe fruits									
1445	TJ				E/BFP	✓	PHy	RF	BWC	

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack Duration	1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G

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

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KPC BEHAVIOUR

DAY: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KJ FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1500	TJ				E/BFP	✓	PHy	RF	BWC	
1515	TJ				"	✓	"	"	"	
1530	TJ				"	✓	"	"	"	
1537	it started drizzling									RN
1545	TJ				E/BFP	✓	PHy	RF	BWC	
1550	TJ climbed down on ground then Moving									
1600	TJ				E/BFP				BWC	
1610	it stoped drizzling									
1615	TJ				E/BFP				BWC	
1630	TJ				"				"	
1641	TJ climbed into APH tree				Silent					
1642	TJ feeding on APH ripe fruits									
1645	TJ				F/12	✓	APH	RF	Ø	
1700	TJ				"	✓	"	"	Ø	
1715	TJ				"	✓	"	"	Ø	
1716	TJ climbed down on ground and Moving									
1718	TJ building a night nest				tree = TEC				HT	
	= 10m	DBH =	15cm							

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?)

LR (1)

KPC BEHAVIOUR

DAY: 18th MONTH: Sept YEAR: 09 KPC: SM OTHERS: KT FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1730	TJ				F/12				0	
1740	TJ leaving the nest									
1741	TJ climbed down on ground and moving									
1743	TJ feeding on red soil from roots of a fallen tree									
1745	TJ joined LR LO whom were already in a night nest LR Made pant barks TJ ignored. tree where LR rested = paranari				HT = 18M Dbh = 22cm					
1745	TJ	LR	LO		E/BFP				BWC	
1749	TJ building a night nest tree = Bequetode drion HT = 5M Dbh = 18cm									
1800	TJ	LR	LO		C/BFP				BWC	
1815	TJ	LR	LO		U				U	
1830	TJ	LR	LO		U				U	
1834	OBS leaving the nest site.									

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?)