DAY 17th MONTH JAN YEAR 09 OBS-PC SM TMF/40 ST HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	AM	BL	BU	BO	MU	MX	OU	OK	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	QT	JK	HH	LS	NP	EU	GRID	MNK	SP	PT
Estrus																			2		2			3										2														
5:45																																															
6:00																																															
6:15																																															
6:30																																															
6:45																																															
7:00																																															
7:15									X															X	X																							
7:30				X	X	X	X	X	X	X		X												X	X																							
7:45		X		X	X	X	X	X	X	X	X	X												X	X										X	X											
8:00		X		X	X	X	X	X	X	X	X	X												X	X										X	X											
8:15		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											
8:45		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											
9:15	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											
9:45	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											
10:15	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											
10:45	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											
11:15	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											
11:45	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				
12:15	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				
12:45	X	X	X	X	X	X	X	X	X	X	X													X	X																		X	X	J/25	None	THV	
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	AM	BL	BU	BO	MU	MX	OU	OK	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	QT	JK	HH	LS	NP	EU	GRID	MNK	SP	PT
13:00	X	X	X	X	X	X	X	X	X	X														X	X	X																	X	X	FJ/25	None	FTH	RF
13:15	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				
13:45										X														X	X	X																	X	X				
14:00										X														X	X	X																	X	X				
14:15										X														X	X	X																	X	X				
14:30										X														X	X	X																	X	X				
14:45										X														X	X	X																	X	X				
15:00										X														X	X	X																	X	X				
15:15			X							X														X	X	X																	X	X				
15:30			X							X														X	X	X																	X	X				
15:45			X							X														X	X	X																	X	X	FJ/25		FTH	RF
16:00			X			X				X														X	X	X																	X	X	IJ/25		THV	
16:15			X			X				X														X	X	X																	X	X	"		—	—
16:30			X			X				X	X													X	X	X																	X	X	H/25		FST	RF
16:45			X			X				X	X													X	X	X																	X	X	"		n	n
17:00			X			X				X	X													X	X	X																	X	X	"		n	n
17:15	X	X	X		X	X			X	X	X								X			X	X	X	X	X																	X	X	H/24		THV	
17:30	X	X	X		X	X			X	X	X								X			X	X	X	X	X																	X	X				
17:45	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				
18:15	X	X	X		X	X			X	X	X								X			X	X	X	X	X																	X	X				
18:30	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		None	THV	
19:00	X	X	X		X	X			X	X	X								X			X	X	X	X	X																	X	X	H/24	"	—	—
19:15																																															
19:30																																															
19:45																																															
20:00																																															
20:15																																															
20:30																																															
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	AM	BL	BU	BO	MU	MX	OU	OK	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	QT	JK	HH	LS	NP	EU	GRID	MNK	SP	PT
Health	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 No monkey's encountered.

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

TG (3) WG (2)

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SMSJ Found: C FT FFT (N) Other_____

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
706	OBS arrived at the nest site found chimps									
	had already unnested and some ID's left but									
	PG TG TS TT were Still around resting on ground									
711	Chimps started moving									
715	PG	TG	TT	TS	IE/WB				Ø	
717	Chimps joined Other Individuals in FNA tree all									
	they made pant hoots									
730	MS KK PG TU AJ ES PB TJ LK YB	TG	TT	TS EU	1S/2E	✓	FNA	RF	Ø	
736	TU and PB joined the party they made pant									
	hoots Others also responded with Pant hoots									
745	WA WE NP joined the party but no calls									
	were made.									
745	KK PG MS TU PB TJ AJ ES LK YB	WA TG	TT	WE TS NP EU	1S/2E	✓	FNA	RF	Ø	
750	WA approach pant grunting to MS she ignored PTG									
758	PG made non vocal displays in a feeding tree									
	PB fled Pant barking and Other ID's fled									
	making waars									
800	KK PG MS TU PB TJ AJ ES LK YB	WA TG	TT	WE NP TS EU	1S/2E	✓	FNA	RF	Ø	
815	KK PG MS TU PB TJ AJ ES LK YB	WA TG	TT	WE NP TS EU	"	✓	"	"	Ø	
830	TU KK PG PB MS TJ AJ ES LK YB	WA TG	TT	WE NP TS EU	"	✓	"	"	Ø	

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup Interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SM ST BP Found: C FT FFT (N) Other_____

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH CODE
845	PG PB ES TU KK LK TJ MS AJ YB	TG WA	TT	EU TS WE NP	1S/2E	✓	FNA	RF	Ø	
849	ST and BB joined the party but no calls were made									
852	Cop. Scream no dart appro. M→F 7sec no groom no interference									BB ep→TG
900	ST BB MS TU PG PB ES TJ LK KK AJ YB	TG WA	TT	EU TS WE NP	1S/2E	✓	FNA	RF	Ø	
915	ST BB MS TU PG PB ES TJ LK KK AJ YB	TG WA	TT	EU TS WE NP	n	✓	n	n	Ø	
928	WA grooming NP									
930	ST BB MS LK KK PG PB ES TJ AJ TU YB	TG WA	TT	EU TS WE NP	1S/2E	✓	FNA	RF	Ø	
930	NP grooming WA									
945	ST BB MS KK LK TU PG PB ES AJ TJ YB	TG WA	TT	EU TS WE NP	2E/1S	✓	FNA	RF	Ø	
1000	ST BB MS KK LK TU PG PB ES TJ AJ YB	TG WA	TT	EU TS WE NP		✓	n	n	Ø	
1008	Some one chassed WA in a poor view She fled screaming Others didn't respond.									
1011	TU ST BB leaving the feeding tree reach on ground and rest									
1013	Chain groom ST→TU→BB									
1015	ST BB MS AJ PG PB TJ YB ES TU LK KK	TG WA	TT	EU WE NP TS	1S/2E	✓	FNA	RF	Ø	
1022	Hand clasp mutual groom MS ←→ BB									Heg
1022	Mutual groom TU ←→ ST									
1024	BB groomed MS after hand clasp									

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

1020 MS grooming him self

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SMSTBP Found: C FT FFT (N) Other_____

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1024	Hand clasp mutual groom TU				<->		ST			Hcg
1025	ST groomed TU after hand clasp									
1025	MS grooming BB									
1028	KK PG LK AJ leaving the feeding tree									
1030	PG grooming KK									
1030	KK TU MS BB AJ ST PG PB ES YB 1S LK	TG WA	TI	TS WE NP EU	1S/2E	✓	FNA	RF	Ø	
1031	Chain groom LK -> KK -> PG									
1033	AJ feeding TRI young leaves									
1033	KK grooming PG									
1035	MS grooming BB									
1038	YB grooming ST									
1039	BB grooming MS									
1040	LK grooming AJ									
1043	PB leaving the feeding tree									
1045	LK KK MS BB YB ST ES PG TU AJ 1S PB	TG WA	TI	EU TS WE NP	1S/2E	✓	FNA	RF	Ø	
1049	PB grooming AJ									
1050	PB grooming LK									
1056	MS grooming ST									
1057	YB grooming TU									
1058	ES leaving the feeding tree									

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

1032 BB grooming MS

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SM ST BP Found: C FT FFT (N) Other_____

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH CODE
1058	ES feeding on SCA un ripe fruits									
1100	KK TU BB ES TJ AJ PG YB MS LK PB ST	TG WA	TT	TS WE NP EU	1S/2E	✓	FNA SCA	RF UF	Ø	
1101	TG TS TT leaving the feeding tree all reach on ground and started moving									
1101	Cop. scream no dart appro F->M 6sec no groom no interference									CP ST->TG
1106	TG grooming TS and TT looking at them									
1107	TT grooming himself									
1109	TU grooming ST									
1110	TG TT TS feeding on CAF young leaves									
1111	Silent cop. with dart appro. M->F 10sec no groom no interference									CP PB->TG
1115	KK TJ TU ST BB YB ES LK AJ PG PB MS	TG WA	TT	TS WE NP EU	1S/2E	✓	CAF	YL	Ø	
1125	MS grooming him self									
1126	Hand clasp mutual groom BB<->MS									Hcg
1127	MS groomed BB after hand clasp									
1128	Mutual groom BB<->MS									
1129	Cop. scream no dart MA 7sec no groom no interference									CP BB->TG
1130	Some individuals feeding THV in adense vegetation.									
1130	LK KK YB TU AJ BB PG PB ES TJ MS ST	TG WA	TT	TS WE NP EU	1S/3E	✓	THV		Ø	
1132	TG grooming TS									
1135	Chain groom TT -> TG -> TS									

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SMSJBP Found: C FT FFT (N) Other_____

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH CODE
1137	TU and MS both groom ST									
1138	Hand clasp mutual groom ST ↔ MS									Hcg
1139	Mutual groom after hand clasp									
1140	Hand clasp mutual groom MS ↔ ST									Hcg
1141	MS groomed ST after hand clasp									
1141	YB approached PB who avoid casual pant									
	barking then PB groomed YB									
1142	TS grooming TG									
1144	Cop. Scream no dart appro. M→F 8sec no groom no interference									CP YB→TG
1145	KK PG LK PB ES TJ BB ST MS AJ YB TU	WA TG	TT	TS EU WE NP	3E/1S	✓	THV		Ø	
1145	TT grooming TS									
1151	TG TS TT climbed into URH climber and									
	started feeding									
1158	KK made non vocal displays LK and PG									
	avoided him casual silent									
1200	TU PG PB KK LK MS AJ ES BB YB ST	TG	TT	TS NP EU	1S/4AE	✓	URH THV	RF	Ø	
1200	Cop. Scream no dart appro. M→F 7sec no groom no interference									CP AJ→TG
1213	PB drinking water from the stream									DR
1215	TU MS PG PB LK KK ES BB ST AJ YB	TG	TT	TS NP EU	1S/4AE	✓	URH THV	RF	Ø	
1218	BB grooming himself									

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

1150 WA WE and TJ left the party and moved away

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SMSJ Found: C FT FFT (N) Other_____

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH CODE
1227	KK approached MS he avoid casual making soft									
	scream again he (MS) turn back and mounted KK									
	while making soft screams then MS groomed KK									
	shortly									
1228	LK grooming MS									
1230	KK LK ES BB YB MS AJ PB PG ST TU	TG	TT	EU NP TS	1S/4AE	✓	URH THV	RF	Ø	
1245	KK LK ES BB YB MS AJ PB PG ST TU	TG	TT	EU NP TS	"	✓	THV		Ø	
1256	TG TS TT joined ES and EU in FTH tree and									
	started feeding									
1256	silent cop no dart appro. M→F 7sec no groom TT interfered									ES→CP TS
	by approaching making pant barks and arm wave they									
	ignored him.									
1300	ES PB PG TU ST MS YB BB AJ LK KK	TG	TT	NP EU TS	2S/5E	✓	FTH THV	RF	Ø	
1315	ES PB PG TU ST MS YB BB AJ LK KK	TG	TT	NP EU TS	"	✓	"	"	Ø	
1330	ES PB PG TU ST MS YB BB AJ LK KK	TG	TT	NP EU TS	"	✓	"	"	Ø	
1334	ES and EU leaving the feeding tree									
1339	Some individuals got lost in THV									
1345	ES	TG	TT	TS EU	2S/5E	✓	FTH	RF	Ø	
1400	ES	TG	TT	TS EU	"	✓	"	"	Ø	
1415	ES	TG	TT	TS EU	"	✓	"	"	Ø	

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

1252 TS drinking water from the Stream (DR)

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SMSJ Found: C FT FFT (N) Other _____

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1430	ES	TG	TT	TS EU	2S/5E	✓	FTH	RF	Ø	
1440	TT grooming TS									
1445	ES	TG	TT	TS EU	2S/5E	✓	FTH	RF	Ø	
1447	ES and EU climbed again to FTH tree and									
	started feeding									
1450	Heard distant calls from north of K-15 this									
	party responded with pant hoots									
1500	ES	TG	TT	TS EU	2S/5E	✓	FTH	RF	Ø	
1509	BB joined the party and TG made pant barks									
1511	Cop. Scream no dant appro. M->F 4sec no groom. no interference									BB→TG CP
1515	BB ES	TG	TT	TS EU	2S/5E	✓	FTH	RF	Ø	
1520	BB ES	TG	TT	TS EU	"	✓	"	"	Ø	
1545	BB ES	TG	TT	TS EU	"	✓	"	"	Ø	
1547	ES leaving the feeding tree then TG TS TT									
	BB also followed him. Both reach on ground									
	and started moving									
1550	Chimps feeding THV and they are MOVING									
1600	MS BB ES	TG	TT	EU TS	3S/6AE	✓	THV		Ø	
1604	EU grooming herself									
1615	MS BB ES	TG	TT	EU TS	2S/8E				Ø	

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events

1552 MS joined the party but no calls were made

KPC Behavior

DAY 17th MONTH JAN YEAR 09 OBSERVER SM SJ Found: C FT FFT (N) Other_____

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1815	MS TU BB PB PG AS ES ST	TG OU	OG TT	EU OT OM TS	Swamp trail crd	✓	THV		Ø	
1817	PB feeding on Brown soil from roots of a fallen tree									
1830	MS TU BB PB PG AS ES ST	TG OU	OG TT	EU OT OM TS	Euc crd	✓	THV		Ø	
1831	PB feeding on ILK young leaves									
1840	PB build aright nest and rest				tree = Blaghia					
	HT = 13 m	high	Dbh =	26 cm						
1845	MS TU BB PG PB AS ES ST	TG OU	OG TT	EU OT OM TS	Euc crd	✓	THV		Ø	
1847	OU build aright nest and rest				tree = DOS			HT =	12m	
	Dbh = 20 cm									
1852	MS build aright nest and rest				tree = Blaghia					
	HT = 13 m high		Dbh =	50 cm						
1858	BB build aright nest and rest				tree = Dosp					
	HT = 16 m	Dbh =	22	cm						
1904	MS ST TU ES BB PG PB AS	OU TG	TT OG	OM EU TS OT	Euc crd				Ø	
1907	ST build aright nest and rest				tree = Dosp					
	HT = 17m	high	Dbh =	48 cm						
1910	OBS leaving the nest site									

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

AP: Adult Play; CP: Copulation; CY: Carry; DR: Drink; FBK: Food bark; HCG: Hand-clasp groom; HNY: Honey; IGI: Intergroup interaction; LF: Leaf use; MAT: Attacked by monkeys; PIG: Pigs; PRED: Predation; PTG: Pant-grunt; RN: Rain; RD: Rain display; STK: Stick use; TLU: Tool use; UNF: Unusual food; Q: Other unusual events