DAY 03rd MONTH JAN YEAR 09 OBS-PC SM TMF/40 JM ME STIC TW HOW FOUND C

	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	GV	GRID	MNK	SP	PT
Estrus																																																
5:45																																															
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7:45																																															
8:00																																															
8:15					X		X																																				N/26	None	FCP	RF
8:30	X				X		XX							XX	X																														〃	〃
8:45	X				X		XX							XX	X																														↓	n	n
9:00							X																																					N/26		—	—
9:15		X					X		X																									XX				X				X	N/25		—	—
9:30		X					X																																						FEX	RF
9:45	X	X			X		X							X	X																														↓	↓
10:00	X	X			X		X			X		X		X	X																												X			FEX	RF
10:15	X	X			X		X			X		X		X	X																												X				
10:30	X	X			X		X			X		X		X	X																												X			↓	↓
10:45	X	X			X		X			X		X		X	X																												X			FEX	RF
11:00	X	X			X		X			X		X		X	X																												X			None	—
11:15	X	X			X		X			X		X		X	X																												X			RDT	—
11:30	X	X			X		X			X		X		X	X																												X			〃	—
11:45	X	X			X		X			X		X		X	X																												X			None	—
12:00	X	X			X		X			X		X		X	X																												X			〃	—
12:15	X	X			X		X			X		X		X	X																												X			RDC	—
12:30	X	X			X		X			X		X		X	X																												X			〃	—
12:45	X	X			X		X			X		X		X	X																												X		↓	〃	—
	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	GV	N/25			
13:00	X	X	X		X		X			X		X		X	X	X																											X			N/25	None	—	—
13:15		X	X							X		X																														X			〃	RDC	—	—
13:30		X	X							X		X																														X			N/24	〃	—	—
13:45		X								X		X																														X				None	—	—
14:00		X								X																																X					—	—
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16:45		X																																												—	—
17:00		X																																												—	—
17:15		X																																												—	—
17:30		X																																												—	—
17:45		X																																												—	—
18:00		X																																											None	—	—
18:15		X																																											BAB	—	—
18:30		X																																											N/24	〃	—	—
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	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	GV	GRID	MNK	SP	PT
Health	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	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 BU seen swollen on her forehead.

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

BL (1) BU (1)

KPC Behavior

DAY 03rd MONTH JAN YEAR 09 OBSERVER TWLJMME SMSJIC 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
804	OBS found chimps by following calls at 10/19 as they are travelling on ground									
805	LK made vocal displays and AJ joined him with vocal displays and AJ made buttress bungs									
811	LK made vocal displays and buttress bungs then he climbed into fcp tree making food barks and started feeding on ripe fruits									FBK
815	AJ LK				17/krd	✓	FCP	RF	Ø	
820	AJ made screams as he climb in the feeding tree and he extended hand to LK they shook hands									
826	Heard distant calls from east of NKE AJ and LK responded with pant hoots									
829	Other Individuals joined party then KK made non vocal displays and buttress bungs Others didn't respond									
830	KK AJ LK ST	BL BU	BO		17/krd	✓	FCP	RF	Ø	
832	KK chassed BO in afeeding he fled screaming Others didn't respond.									

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

831 BU seen still swollen on her forehead

QT ① LR ①

KPC Behavior

DAY 03rd MONTH JAN YEAR 09 OBSERVER TWJMME SMSJIC 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
840	AJ leaving the feeding tree									
841	ST feeding on CAF young leaves									
845	KK LK ST AJ	BL BU	BO		17/Krd	✓	Fcp	RF	Ø	
846	LK KK BO leaving the feeding tree all reach									
	on grou									
847	Bo entered again into Fcp tree then feeding									
847	BL pant grunted to LK he ignored									PTG
851	chimps all leaving the tree and they sepa									
	rated into different direction in adense									
	vegetation									
856	LK made vocal displays									
857	LK feeding on ACA pith (THV)									
900	LK				M/Krd				Ø	
901	LK made vocal displays and buttress									
	bungs									
903	LK made vocal displays and buttress									
	bungs									
910	LK joined other ID's he made non									
	vocal displays but no calls were made from others									
912	LK made vocal displays and buttress bungs but no one responded									

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 03rd MONTH JAN YEAR 09 OBSERVER RM BP ME SM SJ JM 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
915	TU PG LK	LR OT	LO GV		B/16				Ø	
916	LK made non-vocal displays LR fled pant barking climbing up a tree									
917	LK grooming TU									
918	LK made vocal displays and he climbed									
	into FEX tree then TU followed him and they									
	started feeding on ripe fruits. Others Indivi									
	duals left the party and moved away									
930	LK TU				A/13	✓	FEX	RF	Ø	
934	Heard distant calls from South of K-14									
	this party responded with waar barks									
939	Other individuals joined the party then KK									
	made vocal displays and buttress bangs									
	Other IDs made pant hoots									
946	KK ST TU LK BB AJ	BL BL	BO		A/13	✓	FEX	RF	Ø	
948	ES TJ EU joined the party then ES and TJ									
	made joint vocal displays Others didn't									
	respond									
1000	KK TU BB ST LK AJ ES TJ	BL BL	BO	EU	A/13	✓	FEX	RF	Ø	
1015	KK TU BB ST LK AJ ES AJ	BL BL	BO	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 03rd MONTH JAN YEAR 09 OBSERVER TWJM RMME SMSJIC 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
1024	LK and TU leaving the feeding tree									
1026	TU grooming LK									
1027	LK grooming TU									
1030	TU KK LK ST ES TJ BB AJ	BL BU	BO	EU	A/13	✓	FEX	RF	Ø	
1036	TU grooming him self									
1043	TU grooming LK									
1045	TU KK LK ST ES TJ BB AJ	BL BU	BO	EU	A/13	✓	FEX	RF	Ø	
1045	LK grooming TU									
1048	TJ approach pant grunting to LK and TU then									PTG
	LK groomed TJ									
1050	KK approached LK TU and TJ then TJ flea									
	pant barking									
1050	Chain groom TU → KK → LK									
1052	LK grooming KK									
1053	Hand clasp mutual groom KK ↔ LK									Hcg
1056	Hand clasp mutual groom TU ↔ KK ← LK									Hcg
1058	TU groomed KK after hand clasp									
1058	AJ grooming BB									
1100	KK TU ST BB AJ ES TJ LK	BL BU	BO	EU	A/13				Ø	
1100	KK grooming TU									

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 03rd MONTH JAN YEAR 09 OBSERVER TWJMRM ME SMSJIC 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						
1103	LK grooming KK									
1107	TJ pant grunted to LK he ignored then									PTG TJ
	groomed LK									
1109	LK grooming TU									
1113	Chain groom KK → LK →				TU					
1114	Hand clasp mutual groom KK ↔ LK									Hcg
1115	KK ST LK ST TU ES AJ BB	BL BU	BO	EU	A/13				RDT	
1119	LK groomed KK after hand clasp									
1122	TU grooming KK									
1123	Chain groom LK → TU → KK									
1127	LK and TU both grooming KK									
1128	Chain groom TU → KK → LK									
1129	TU grooming himself and				LK		grooming			KK
1130	KK AJ TU 13 LK BB ES ST	BL BU	BO	EU	A/13				RDT	
1136	KK grooming LK									
1138	Chimps started moving on ground									
1140	KK and LK made Joint non vocal displays									ES
	and Others fled pant barking at same									
	time TJ made non vocal displays and									chas
	ed BL who fled pant barking climbing a 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

KPC Behavior

DAY 03rd MONTH JAN YEAR 09 OBSERVER TWJMRM ME SM SJ IC 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
1142	LK made non vocal displays and attack (1)									
	to ST with kicks and slaps, who screamed									
	and retaliate by chasing LK who fled									
	making non vocal displays them KK and BB									
	also made non vocal displays following									
	them, Others made pant barks									
1144	BB made non vocal displays TU fled climbing									
	a tree silent									
1145	AJ ST BB KK LK ES TU	BL BU	BO	EU	C/14				Ø	
1146	TJ made non vocal displays against BU									
	She fled screaming and near barking									
1150	BU grooming TJ									
1152	TU grooming ST									
1152	TJ playing with BO by making soft bites									AP
	each other									
1156	Hand clasp mutual groom				TU <-> ST					Hcg
1158	TU groomed ST after hand clasp									
1200	KK ST BB AJ LK ES TU	BL BU	BO	EU	C/14				Ø	
1206	TU grooming BB									
1211	Hand clasp mutual groom				BB <-> TU					Hcg

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 03rd MONTH JAN YEAR 09 OBSERVER SMSTIC TWJMRMME 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
1212	Mutual groom after hand clasp				T			TU ↔ BB		
1215	KK TU ES AJ LK BB TJ ST	BL BU	BO	EU	C/14				RDC	
1224	Hand clasp mutual groom				BB ↔ TU					Hcg
1224	TU groomed BB after hand clasp									
1229	BB grooming TU									
1230	KK TU ES AJ LK BB TJ ST	BL BU	BO	EU	C/14				RDC	
1235	TU grooming BB									
1241	EU grooming ES									
1244	BB grooming TU									
1245	KK TU LK BB ES AJ TJ ST	BL BU	BO	EU	C/14				RDC	
1300	KK TU ES LK BB TJ ST AJ	BL BU	BO	EU	C/11				Ø	
1305	Some ID's left the party and moved away									
	TW IC JM followed them									
1315	BB TU TJ ES			EU					RDC	
1316	Some one made vocal displays and buttress									
	bungs Others made wear barks									
1320	ES made vocal displays and buttress bungs									
	Others didn't respond									
1330	BB TU ES TJ			EU	W/9				RDC	
1340	BB is out of view									

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

1221 BB grooming TU

KPC Behavior

DAY 03rd MONTH JAN YEAR 09 OBSERVER ME SMSJRM 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						
1345	TJ TU ES			EU	W/9				Ø	
1400	TJ TU ES			EU	S/8				Ø	
1410	TJ is out of view									
1415	TU ES			EU	T/BLAZE				Ø	
1422	Chimps entered into THV and started feeding									
	in a dense vegetation									
1430	TU ES			EU	I/NUBES	✓	THV		Ø	
1445	TU ES			EU	n	✓	n		Ø	
1500	TU ES			EU	n	✓	n		Ø	
1515	TU ES			EU	n	✓	n		Ø	
1530	TU ES			EU	n	✓	n		Ø	
1545	TU ES			EU	n	✓	n		Ø	
1600	TU ES			EU	n	✓	n		Ø	
1615	TU ES			EU	n	✓	n		Ø	
1622	TU building a night nest and rest there = Albizia									
	HT = 12m high Dbh = 22cm									
1630	TU ES			EU	I/NUBES				Ø	
1635	ES made vocal displays and buttress bumps but									
	no one responded									
1637	ES made vocal displays but no one responded.									

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 03rd MONTH JAN YEAR 09 OBSERVER ME SMSTRM 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						
1640	ES and FU left the party and moved away									
1645	TU				1/MMBFS				Ø	
1700	TU				11				Ø	
1715	TU				11				Ø	
1730	TU				11				Ø	
1745	TU				11				Ø	
1800	TU				11				Ø	
1815	TU				11				BAB	
1830	TU				11				11	
1835	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