DAY 28th MONTH March YEAR 09 OBS-PC SM TMF/40 TWMK HOW FOUND FT

	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													1	2																																		
5:45																																															
6:00																																														
6:15																																														
6:30																																														
6:45																																														
7:00							X																																			N25	Blu	FEx	RF
7:15							X																																				"	"	"
7:30							X																																			↓	None	"	"
7:45							X																																			N25	Rbe	FBR	RF
8:00			X				X	X																						X	X				X						N26	Nmk	FEx	RF
8:15			X				X	X																						X	X				X								—	—
8:30			X				X	X																						X	X				X								—	—
8:45			X				X	X																						X	X				X								—	—
9:00							X	X																																			↓	—	—
9:15							X	X					X	X	X																											↓	None	HNY	
9:30							X	X					X	X	X																											N26	RBT	"	
9:45							X	X					X	X	X																											O25	None	—	—
10:00			X				X	X				X	X	X	X								X	X	X						X	X				X	X			X			None	ANI	RF
10:15			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				↓	↓
10:45			X				X	X				X	X	X	X								X	X	X						X	X				X	X			X			None	ANI	RF
11:00			X				X	X				X	X	X	X								X	X	X						X	X				X	X			X			BLU	—	—
11:15			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				—	—
11:45							X	X				X	X	X	X								X	X	X						X	X				X	X			X			BLU	—	—
12:00							X	X				X	X	X	X								X	X	X						X	X				X	X			X			O25	X	—	—
12:15							X	X				X	X	X	X								X	X	X						X	X				X	X			X			O26	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			N26	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	X				X	X	X	X								X	X	X						X	X				X	X			X			N26	None	FEx	RF
13:15								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						
13:45								X				X	X	X	X								X	X	X						X	X				X	X			X					↓	↓
14:00													X	X	X								X	X												X	X			X					FEx	RF
14:15																																				X				X					FEP	UF
14:30																																				X				X					"	"
14:45																																				X				X					—	—
15:00																																				X				X			N26	↓	CBU	RF
15:15												X																				X				X	X			X			M26	None	—	—
15:30												X																				X				X	X			X				MGB	FBR	RF
15:45												X																				X				X	X			X						
16:00												X																				X				X	X			X			↓	↓	↓	↓
16:15												X																				X				X	X			X			M26	MGB	FBR	RF
16:30												X																				X				X	X			X			M25	None	—	—
16:45												X																				X				X	X			X					THV	
17:00												X																				X				X	X			X			↓		"	
17:15												X																				X				X	X			X			M25		—	—
17:30																							X	X												X	X			X			N25		FBR	RF
17:45																							X	X												X	X			X					n	n
18:00																							X	X												X	X			X					TRI	YL
18:15																							X	X												X	X			X					FEx	RF
18:30																							X	X												X	X			X			N25	None	n	n
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																																														

COMMENTS Rbe and Blu from 1200–1230.

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

QT ① LR ② **KPC Behavior**

DAY 28th MONTH March YEAR 09 OBSERVER SMTWMK 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
647	OBS found KK alone in FEX tree feeding at									
	C/9									
700	KK				C/9	✓	FEX	RF	Blu	
715	KK				n	✓	n	n	n	
730	KK				n	✓	n	n	Ø	
735	KK leaving the feeding tree and Moving on									
	ground									
737	KK Picking FBR fruits from the ground and									
	feeding									
741	KK climbed in to FBR tree and started feeding									
	on ripe fruits									
745	KK				E/10	✓	FBR	RF	Rbc	
746	KK leaving the feeding tree and moving on ground									
747	KK made vocal displays and buttress bungs									
750	KK made vocal displays and buttress bungs									
754	KK made vocal displays and buttress bungs but									
	QT didn't respond									
757	climps joined other IN's in FEX tree but no calls were									
	made									
800	in KKYB	LR QT	LO QV		K/15	✓	FEX	RF	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

751 KK joined QT QV but no calls were made

BL(1) Bu(2)

KPC Behavior

DAY 28th MONTH March YEAR 09 OBSERVER SM TWMK BO 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
809	chimps leaving the feeding tree and Moving on ground.									
812	KK made non vocal displays and Slapping the ground QT and LR fled Pant barking QT climbed a tree									
815	KK YB LK	LR QT	LO QV		L/13				Ø	
830	KK YB LK	LR QT	LO QV		"				Ø	
845	KK YB LK	LR QT	LO QV		"				Ø	
846	LK grooming KK									
847	QV LR QT LO YB left the party and moved away TW BP followed them									
900	~~LK~~ KK				L/13				Ø	
905	Heard distant calls from South west of K30 blue LK and KK made waars and joint vocal displays moving heading towards calls									
907	LK and KK made vocal displays the distant ID's from South west of K30 blue responded with pant hoots									
909	chimps joined BL Bu BO and KK LK made joint non vocal displays BL Bu BO made pant barks and approached BL who pant grunted to him then he inspected her by smelling on ~~[illegible]~~									PTG
912	KK made food barks as feeding on bee honey in a tree hole LK BL BO Bu looking at him									FBK HNY

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

TG (1)

KPC Behavior

DAY 28th MONTH March YEAR 09 OBSERVER SMMK 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	LK KK	BL BU	BO		CT/12	✓	HNY		Ø	
927	Heard distant calls from south west of K30 blue									
	this party responded with pant hoots									
929	LK also seen feeding on Bee honey together									
	with KK									
930	KK LK	BL BU	BO		CT/12	✓	HNY		RDT	
938	KK and LK moved away from the Bee heive then									
	BL approach and started feeding on honey									
940	BL also moved away stoped feeding on honey									
942	chimps climbed down on ground and moving									
945	KK LK	BL BU	BO		M/8				Ø	
946	KK Inspecting BL by smelling on her estrous									
946	chimps joined other ID's in ANI tree they made									
	pant hoots									
1000	YB KK LK TJ	TG QT BL LR WL BU	WC LO TT QV BO	TS NP	M/8	✓	ANI	RF	Ø	
1013	QT leaving the feeding tree she approach									PTG
	pant grunting to BL she ignored									
1015	YB KK TJ	TG WL LR BL BU QT	WC LO TT QV BO	TS NP	M/8	✓	ANI	RF	Ø	
1023	LR (LO) WL (WC) leaving the feeding tree									
1027	KK leaving the feeding tree and TJ followed him at									

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

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

1010 LK left the party and moved away

KPC Behavior

DAY 28th MONTH March YEAR 09 OBSERVER BP SMTFWMK 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
1029	Bo playing with TT by tickling and make soft biles each other									
1030	YB TJ KK	BL BU TG WL LR QT	QV LO WC TT BO	TS NP	M/8	✓	ANI	RF	Ø	
1043	YB TJ KK	BL BU TG WL LR QT	QV LO WC TT BO	TS NP	"	✓	"	"	Ø	
1046	Chimps all leaving the tree and moving on ground									
1046	NP TT Bo played badly TT end up screaming then KK made non vocal displays Other ID's fled pant barking climbing trees in a poor view									
1053	KK chassed Bu who fled screaming climbing up a tree									
1059	Bu feeding on TRI young leaves									
1100	YB TJ KK	BL BU WL QT LR TG	TT LO WC QV BO	TS NP	M/8				Blu	
1112	TT and Bo were playing above KK on a branch then Bo fell on KK who dragged him on ground Bo fled screaming BL made pant barks									
1115	YB TJ KK	BL BU WL QT LR TG	TT LO WC QV BO	TS NP	M/8				Blu	
1116	TS feeding on CHT young leaves									
1118	Bu grooming TS									
1125	Bu feeding on CHT young leaves									

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

1120 YB left the party and moved away

KPC Behavior

DAY 28th MONTH March YEAR 09 OBSERVER SMTTWMK 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						
1130	KK TJ	LR QT WL BU TG BL	LO GY WC TT BO	TS NP	M/8				Blu	
1132	Bu grooming TJ									
1139	QT grooming TJ									
1145	KK TJ	LR WL QT BU TG BL	LO GY WC TT BO	TS NP	M/8				Blu	
1148	Bu grooming QT while TT looking at them.									
1150	TT Inspecting Bu by touch on estrous and Smelling on the fingers									
1151	Bu playing with TT by rotating making a circle on entree.									AP
1200	KK TJ	LR WL BU QT TG BL	LO GY WC TT BO	TS NP	M/8				RDC Blu	
1202	Chimps made loear barks and started moving									
1207	Bu wadging PSD leaves									
1210	NP wadging PSD leaves									
1213	Bu playing with NP by patting and tickling each other									AP
1218	KK TJ	BL QT WL BU LR TG	GY LO WC TT BO	NP TS	N/CT				RDC Blu	
1219	Bu grooming NP									
1221	NP grooming Bu									
1226	QT grooming LR									
1228	LR grooming QT									

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 28th MONTH March YEAR 09 OBSERVER SM TW MK 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						
1230	KK TJ	BL WL LR QT BU TG	BO WC QV LO TT	NP TS	N/CT				RDe BHy	
1238	BU playing with TT by patting and chasing, make									AP
	soft bites each other									
1239	Heard distant calls from east of K30 blue									
	this party responded with pant hoots									
1245	KK TJ	BL WL LR QT BU TS	BO QV WC LO TT	NP TS	CT/12				Ø	
1247	WL feeding on TR1 young leaves									
1254	some ID's feeding THV in adense vegetation									
1256	Chimps climbed into FEX tree and started feeding									
	on ripe fruits									
1300	KK TJ	BL WL LR TG QT BU	LO WC BO QT TT	NP TS	K/15	V	FEX THV	RF	Ø	
1301	TG chassed BU she fled screaming and attack Oto him with a kick who screamed but TT not avoid BU and BL made wear barks									
1302	KK made vocal displays and buttress bangs									
	Others made wear barks									
1315	TJ	BL TG WL BU	BO TT WC	TS NP	K/15	V	FEX	RF	Ø	
1323	WL (note) leaving the feeding tree and NEST									
	on ground									
1330	TJ	BL TG WL BU	BO TT WC	TS NP	K/15	V	FEX	RF	Ø	
1345		BL TG WL BU	BO TT WC	TS NP	"	V	"	"	Ø	
1400		BL TG WL BU	BO TT WC	TS NP	"	V	"	"	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

1310 QT QV LR LO KK left the party and moved away
1332 TJ left the party and moved away

KPC Behavior

DAY 28th MONTH March YEAR 09 OBSERVER SMMK 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
1401	Chimps separated as their leading the feeding tree									
	SMMK followed WL WC NP and				J/T	W	remained with			
	other ID's behind.									
1410	WL (WC) NP climbed into FCP tree and				Started	feeding	on			
	unripe fruits									
1415		WL	WC	NP	21/BFP	V	FCP	UF	Ø	
1430		WL	WC	NP	"		"	"	Ø	
1431	Chimps leaving the feeding tree and moving									
	on ground									
1434	NP feeding on red soil from roots of a tree									
1435	WL feeding on red soil from roots of a tree									
1439	WL feeding on TRI young leaves									
1441	NP grooming her self									
1445		WL	WC	NP	21/GLT				Ø	
1446	WL grooming her self									
1448	WL grooming WC									
1459	Chimps climbed into CDU tree and started									
	feeding on ripe fruits									
1500		WL	WC	NP	I/21	V	CDU	RF	Ø	
1515	Chimps joined TJ and LR LO QT BV and				WL	made	pant	grunts	and	PTG/NP

made soft screams

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 28th MONTH March YEAR 09 OBSERVER SMMK 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						
1515	TJ	LR WL QT	LO BV WC	NP	D/23				Ø	
1518	Chimps climbed into FBR tree and started feeding									
	on ripe fruits									
1530	TJ	LR WL QT	LO BV WC	NP	B1/GJ	✓	FBR	RF	MgB	
1545	TJ	LR WL QT	LO BV WC	NP	"	✓	"	"	"	
1545	QT (BV) leaving the feeding tree									
1557	LR (LO) leaving the feeding tree									
1600	TJ	LR WL QT	LO BV WC	NP	B1/GJ	✓	FBR	RF	MgB	
1615	TJ	LR WL QT	LO BV WC	NP	11	✓	"	"	"	
1621	Chimps all leaving the feeding tree and moving									
	on ground									
1630	TJ	LR WL QT	LO BV WC	NP	U/23				Ø	
1640	Chimps entered into THV and started feeding									
	in adense vegetation									
1645	TJ	LR WL QT	LO BV WC	NP	U/23	✓	THV		Ø	
1700	TJ	LR WL QT	LO BV WC	NP	R/21	✓	"		Ø	
1715	TJ	LR WL QT	LO BV WC	NP	X/14				Ø	
1726	Chimps joined TG TS IT			in FBR	Tree	but no				
	calls were made.									
1730		TG WL QT	BV WC IT	TS NP	E/10	✓	FBR	RF	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

1722 LR LO TJ left the party and moved away

KPC Behavior

DAY 28th MONTH March YEAR 07 OBSERVER SMMKTW 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						
1745		TG WL QT	QV WC TT	TS NP	E/10	✓	FBR	RF	Ø	
1751	chimps leaving the feeding and moving on									
	ground									
1756	TG feeding on TRI young leaves									
1759	TT build anight nest and rest. tree = Dombeya									
	HT = 11m high Dbh = 34cm									
1800		TG WL QT	QV WC TT	TS NP	8/Turd	✓	TRI	YL	Ø	
1802	TG build anight nest and rest. tree = Dombeya									
	HT = 13m high Dbh = 34cm									
1807	WL NP QT feeding on FEX ripe fruits.									
1815		TG WL QT	QV WC TT	TS NP	8/Turd	✓	FEX	RF	Ø	
1830		TG WL QT	QV WC TT	TS NP	"	✓	"	"	Ø	
1833	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