DAY 15 MONTH MARCH YEAR 2009 OBS-PC KJ TMF/40 FM MK 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																								1								1				1		1								
5:45																																													
6:00																																													
6:15																																													
6:30																																													
6:45																																													
7:00	X			X			X	X															X	X	X						X	X			X	X	X	X					N/25		FEX	YL
7:15	X			X			X	X															X	X	X						X	X			X	X	X	X							
7:30	X			X			X	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							FEX	YL
8:00	X			X			X	X															X	X	X						X	X			X	X	X	X							FBR	RF
8:15	X			X			X	X															X	X	X						X	X			X	X	X	X							FBR	RF
8:30	X			X			X	X															X	X	X						X	X			X	X	X	X							PTE	FL
8:45	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							
9:15	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							
9:45	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							
10:15	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							
10:45	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							PTE	FL
11:15	X			X			X	X															X	X	X						X	X			X	X	X	X							COM	RF
11:30	X			X			X	X															X	X	X						X	X			X	X	X	X					↓		COM	RF
11:45	X			X			X	X															X	X	X						X	X			X	X	X	X					N/25		COM	RF
12:00	X			X			X	X															X	X	X						X	X			X	X	X	X					O/25		—	—
12:15	X			X			X	X															X	X	X						X	X			X	X	X	X							—	—
12:30							X	X																							X	X												BAB	—	—
12:45							X	X																							X	X												BAB	—	—
	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											O/25		—	—
13:15																															X	X											N/26		—	—
13:30																															X	X											N/26		CAF	YL
13:45																															X	X											N/26		THN	THN
14:00																															X	X											O/26		—	—
14:15																															X	X											O/25		FEX	RF
14:30																															X	X											O/25		FEX	RF
14:45																															X	X											O/25		—	—
15:00																															X	X											O/24	RDC	MMS	UF
15:15																															X	X												"	MMS	UF
15:30																															X	X												"	MMS	UF
15:45																															X	X												"	—	—
16:00																															X	X											↓	"	—	—
16:15																															X	X											O/24		THN	THN
16:30																																													
16:45																															X	X											N/25	MGB	FBR	RF
17:00																															X	X												"		
17:15																															X	X												"	↓	↓
17:30																															X	X											↓	"	FBR	RF
17:45																															X	X											N/25	"	—	—
18:00																															X	X											N/26		—	—
18:15																															X	X													CAF	YL
18:30																															X	X													—	—
18:45																															X	X											↓		—	—
19:00																															X	X											N/26		—	—
19:15																																													
19:30																																													
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	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	2			1	1	1	1								

COMMENTS Lo was heard sneezing

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

KPC Behavior

WL, OT, LR, TG, JM RM

DAY 15th MONTH MARCH YEAR 2009 OBSERVER KS FM MK Found: C FT FFT (N) Other_____

GPS A

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH CODE
651	BS arriving at the nests and found some									
	Id's feeding on FEX.									
700	YB LK KK ST	WL OT LR TG	WCAV LOTT	TS	C/9	✓	FEX	YL	ϕ	
710	Some Id's made vocal displays and buttress bungs									
	others made waars and pant barks.									
730	YB LK KK	WL OT LR TG	WCAV LOTT	TS	C/9	✓	FEX	YL	ϕ	
744	YB made vocal displays and buttress bungs									
	others made pant barks.									
745	YB LK KK	WL OT LR TG	WCAV LOTT	TS	C/9	✓	FEX	YL	ϕ	
754	Some Id's climbed into FBR and started feeding									
800	YB LK KK	WL OT LR	WCAV LOTT	TS	S/Ked	✓	FBR FEX	RF YL	ϕ	
815	YB LK KK	WL OT LR TG	WCAV LOTT	TS	"	✓	FBR FEX	RF YL	ϕ	
819	KK and YB coming down from FBR.									
823	LK also coming down from FBR.									
824	KK and YB made joint vocal displays and									
	buttress bungs others made waars and									
	pant barks.									
827	chimps climbed into pterygota and made									
	both food barks and food grunts as they									
	started feeding on flowers.									

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

JM RM

DAY 15th MONTH MARCH YEAR 2001 OBSERVER KTFM 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						
830	KK ST YB LK	WL OT LR TG	WC AV LOTT	TS	E/7	✓	PTE	FL	∅	
900	KK ST YB LK	WL OT LR TG	WC AV LOTT	TS	"	✓	PTE	FL	∅	
910	OT eating the bark of PTE									
913	YB also feeding on PTE bark.									
915	KK ST YB LK	WL OT TG LR	WC AV LOTT	TS	E/7	✓	PTE	FL BK	∅	
930	KK ST YB LK	WL OT TG LR	WC AV LOTT	TS	"	✓	PTE	FL BK	∅	
945	KK ST YB LK	WL OT TG LR	WC AV LOTT	TS	"	✓	PTE	FL BK	∅	
1000	KK ST YB LK	WL OT TG LR	WC AV LOTT	TS	"	✓	PTE	FL BK	∅	
1015	KK ST YB LK	WL OT TG LR	WC AV LOTT	TS	"	✓	PTE	FL BK	∅	
1030	KK ST YB LK	WL OT TG LR	WC AV LOTT	TS	"	✓	PTE	FL BK	∅	
1039	LK and KK coming down from PTE									
1045	KK ST YB LK	OT WL TG LR	WC AV LOTT	TS	E/7	✓	PTE	FL	∅	
1100	KK ST YB LK	OT WL TG LR	WC AV LOTT	TS	"	✓	PTE	FL	∅	
1112	WL OT and TG family climbed into cordia miller.									
1115	KK ST YB LK	OT WL TG LR	WC AV LOTT	TS	E/7	✓	com	RF	∅	
1130	KK ST YB LK	OT WL TG LR	WC AV LOTT	TS	"	✓	com	RF	∅	
1135	OT coming down from the feeding tree (com).									
1145	KK ST YB LK	OT WL TG LR	WC AV LOTT	TS	E/7	✓	com	RF	∅	
1147	WL OT and TG family coming down from com									

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

1058 - LK grooming KK

1124 - LK grooming YB

KPC Behavior

RM JM

DAY 15 MONTH MARCH YEAR 2009 OBSERVER KT FM 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						
1150	YB made non vocal displays and buttress									
	bungs others did not respond.									
1158	Hand clasp mutual groom LR ↔ LK									
1200	KK LK YB ST	WL OT LR TG	WC OV TT LO	TS	K/S				Ø	
1207	KK and LK made joint vocal displays and buttress									
	bungs others made pant hoots.									
1210	LK grooming him self									
1215	KK LK YB ST	WL OT LR TG	WC OV TT LO	TS	K/S				Ø	
"	KK grooming LK									
1216	Hand clasp mutual groom KK ↔ LK									HCG
1217	LK grooming KK									
1220	WL OT TG families and YB went missing.									
1222	KK grooming LK									
1230	KK LK	LR	LO		K/S				BAB	
1238	Hand clasp mutual groom LK ↔ KK									HCG
1239	LK grooming KK after hand clasp.									
1242	LK grooming him self.									
1243	KK grooming LK.									
1244	LK grooming KK									

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 15th MONTH March YEAR 2009 OBSERVER KJ Fm MNK 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						
1245	KK LK	LR	LO		K/8				BAB	
1251	KK made vocal displays LR and				LK		Made	Pant hoots		
1255	KK made vocal displays and buttress bangs									
	LK & LR made pant hoots.									
1300	KK LK	LR	LO		L/8				Ø	
1310	LK and KK went missing. QS stayed with									
	LR and LO only.									
1315		LR	LO		M/12				Ø	
1320	LO was heard sneezing.									
1330		LR	LO		CT/KRO	✓	CAF	YL	Ø	
1345		LR	LO		21/KR	✓	THV	THV	Ø	
1347	LR eating brown soil from the roots of a fallen									
	tree.									
1352	LR feeding on MAC RF.									
1400		LR	LO		P/7				Ø	
1405	LR (LO) climbed into FEX at N/4									
1415		LR	LO		N/4	✓	FEX	RF	Ø	
1430		LR	LO		"	✓	FEX	RF	Ø	
1433	LR (LO) coming down from FEX.									

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 15th MONTH 03 YEAR 07 OBSERVER KS-Fm 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						
1441	LR drinking water from the stream									DR
	as the mouth.									
1445		LR	LO		AH 33				Ø	
1456	LR climbed into mms and fed on ripe									
	fruits.									
1458	Distant calls were heard from				north east of					
	K-30 red. LR did not respond.									
1500		LR	LO		F 27	✓	mms	UF	RDC	
1515		LR	LO		"	✓	mms	UF	"	
1530		LR	LO		"	✓	mms	UF	"	
1536	LR (LO) coming down from mms									
1545		LR	LO		F 27				RDC	
1600		LR	LO		"				"	
1603	LR eating red soil from the hole on the ground									
1606	LR started feeding on THV.									
1615		LR	LO		F 49	✓	THV	THV	Ø	
1620	LR went missing									

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 15 MONTH MARCH YEAR 2009 OBSERVER K, FM, MK 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
1637	obs found LR at S/KRd feeding on								FBR	
1645		LR	LO		S/KRd	✓	FBR	RF	MGB	
1700		LR	LO		"	✓	FBR	RF	"	
1715		LR	LO		"	✓	FBR	RF	"	
1730		LR	LO		"	✓	FBR	RF	"	
1741	LR (LO) coming out of the feeding tree								(FBR)	
1745		LR	LO		S/KRd				MGB	
1752	LR feeding on TRI 4L.									
1800		LR	LO		H/17				∅	
1805	LR (LO) climbed into CAF.									
1815		LR	LO		H/20	✓	CAF	4L	∅	
1818	LR started making a night nest in an area									
	of about 22 cm dbh at 15 metes high.									
1830		LR	LO		H/20				∅	
1845		LR	LO		"				∅	
1900		LR	LO		"				∅	
1902	obs leaving the nesting 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