DAY 12th MONTH 01 YEAR 2009 OBS-PC Fm TMF/40 KS TW Jm Ic 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																								3			1							1														
5:45																																															
6:00																																															
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7:00																																															
7:15																																															
7:30				X	X	X	X	X	X	X	X													X	X		X	X						X	X					X	X		K/28		URH	RF
7:45				X	X	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					X	X					
8:15				X	X	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					X	X					
8:45				X	X	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		K/28			
9:15				X	X	X	X	X	X	X	X													X	X		X	X						X	X					X	X		J/28			
9:30				X	X	X	X	X	X	X	X													X																	X		↓			
9:45				X	X	X	X	X	X	X	X													X																	X					
10:00					X	X	X	X	X	X	X													X																	X					
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					
11:00					X	X	X	X	X	X	X													X																	X					
11:15					X	X	X	X	X	X	X													X																	X		↓	↓		
11:30					X	X	X	X	X	X	X													X																	X		URH	RF		
11:45					X	X	X	X	X	X	X													X																	X		THV	THV		
12:00					X	X	X	X	X	X	X													X																	X		URH	RF		
12:15					X	X	X	X	X	X	X													X																	X		〃	〃		
12:30					X	X	X	X	X	X	X													X																	X		〃	〃		
12:45					X	X	X	X	X	X	X													X																	X		J/28		URH	RF		
	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		J/28		URH	RF		
13:15					X	X	X	X	X	X	X													X																	X				THV	THV		
13:30					X	X	X	X	X	X	X													X																	X				〃	〃		
13:45					X	X	X	X	X	X	X													X																	X				THV	THV		
14:00					X	X	X	X	X	X	X													X																	X				URH	RF		
14:15					X	X	X	X	X	X	X													X																	X							
14:30					X	X	X	X	X	X	X													X																	X							
14:45					X	X	X	X	X	X	X													X																	X							
15:00					X	X	X	X	X	X	X													X																	X		↓					
15:15					X	X	X	X	X	X	X													X																	X		J/28					
15:30					X	X	X	X	X	X	X													X																	X		I/28					
15:45					X	X	X	X	X	X	X													X																								
16:00					X	X	X	X	X	X	X													X																						↓	↓	
16:15					X	X	X	X	X	X	X													X																						URH	RF	
16:30					X	X	X	X	X	X	X													X																						THV	THV	
16:45					X	X	X	X	X	X	X													X																								
17:00					X	X	X	X	X	X	X													X																								
17:15					X	X	X	X	X	X	X													X																								
17:30					X	X	X	X	X	X	X													X																								
17:45					X	X	X	X	X	X	X													X																								
18:00						X	X	X	X	X	X													X																								
18:15						X	X	X	X	X	X													X																						↓	↓	
18:30						X	X	X	X	X	X													X																					BWC	THV	THV	
18:45						X	X	X	X	X	X													X																					〃	FBR	UF	
19:00						X	X	X	X	X	X													X																					〃	—	—	
19:15						X	X	X	X	X	X													X																					I/28	BWC	—	—	
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	4	1	1	1													1	1	1	1	1						1	1							1	1				

COMMENTS Ken had a wound on his foot - Monkeys were only seen at the End of the day.

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

UM (1) WA (1) TG (3)

KPC Behavior

DAY 12th MONTH 01 YEAR 09 OBSERVER Fm KJ TW (IC 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
725	Obs arrived at the nest site late because									
	of elephants and found chimps had left the									
	nests but were still around.									
730	YBPB PGAJ LKKK MSES	UMWA TG	TTUN	WEEY TSNP	EST /SB	✓	URH	RF		
745	YBPB PGAJ LKKK MSES	UMWA TG	TTUN	WEEY TSNP	"	✓	"	"		
749	PB approached and pant grunted to LK who									
	made non vocal displays and he (PB) fled pant barking.									
800	YBPB PGAJ LKKK MSES	UMWA TG	TTUN	WEEY TSNP	EST /SB	✓	URH	RF		
815	YBPB PGAJ LKKK MSES	UMWA TG	TTUN	WEEY TSNP	"	✓	"	"		
817	PB grooming LK.									
818	LK self grooming.									
825	Silent cop. and no dart, 8 sec, M→F approach									CP PB→TG
826	Silent cop. and dart, 7 secs, M→F approach									CP PB→TG
829	TG feeding on Jasminum young leaves									UNF
830	YBPB PGAJ LKKK MSES	UMWA TG	TTUN	WEEY TSNP	EST /SB	✓	JAS URH	YL RF		
842	Cop. with screams but no dart, 8 secs, M→F approach									CP MS→TG
845	YBPB PGAJ LKKK MSES	UMWA TG	TTUN	WEEY TSNP	EST /SB	✓	URH	RF		
847	KK grooming MS.									
856	LK made non vocal displays but no one responded.									
858	KK has a wound on his foot.									

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 12th MONTH 01 YEAR 09 OBSERVER IC JM FmKJTW 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
857	Cop. with screams and dart, 7secs,				F→M		approach			CP PG→TG
859	Silent cop. and no		dart, 7secs, M→F				approach			CP KK→TG
900	MB PB PG AJ LK KK MS ES	UM WA TG	TT UN	WEEM TSNP	EST/SB	✓	UR H	RF		
915	MB PB PG AJ LK KK MS ES	UM WA TG	TT UN	WEEM TSNP	"	✓	"	"		
921	PG Self grooming.									
928	Chimps scattered	and Fm TW	followed	one group.						
930	PB ES MS LK PG KK AJ MB	TG	TT	TSEM	EST/SB	✓	UR H	RF		
945	PB ES MS LK PG AJ KK MB	TG	TT	TSEM	"	✓	"	"		
1000	PB ES MS LK PG AJ MB KK	TG	TT	TSEM	"	✓	"	"		
1002	Cop. with screams and	dart, 8secs,	M→F	approach						CP ES→TG
1005	TG grooming ES.									
1015	PB ES MS LK PG AJ KK MB	TG	TT	TSEM	EST/SB	✓	UR H	RF		
1030	LK AJ MS ES PG PB MB	TG	TT	TSEM	"	✓	"	"		
1031	Cop. with screams and	dart, 8secs, M→F	approach							CP AJ→TG
1033	Silent cop. and no	dart, 7secs, M→F	approach							CP LK→TG
1045	LK AJ MS ES PG PB MB	TG	TT	TSEM	EST/SB	✓	UR H	RF		
1045	AJ LK grooming MS.									
1046	Chain groom. LK→AJ→MS.									
1048	AJ Self grooming.									

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 12th MONTH 01 YEAR 09 OBSERVER FM BP TW MJ 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
1049	Silent Cop. and no	start, 8 secs, M→F	approach and							CP MS→TG
	TT interfered by	hitting MS' back	but	he	didn't	stop.				
1051	mutual groom but	now hand clasp.								PG⇆PB
1053	Hand clasp	mutual groom								HCG PG⇆PB
1054	PB grooming PB.									
1056	PG Self grooming.									
1057	PG grooming	PB and MS	grooming	AJ.						
1100	LW PG PB ES MS YB AJ	TG	TT	TSEM	EST /SB	✓	URH	RF		
1101	AJ grooming MS.									
1113	MS Self grooming.									
1115	LW AJ YB PB MS ES PG	TG	TT	TSEM	EST /SB	✓	THN URH	THN RF		
1120	MS grooming AJ.									
1125	TG Self grooming.									
1126	Hand clasp	mutual groom								HCG MS⇆AJ
1127	MS grooming AJ.									
1128	AJ grooming MS.									
1130	LW AJ YB PB MS ES PG	TG	TT	TSEM	EST /SB	✓	THN URH	THN RF		
1132	Hand clasp	mutual groom								HCG MS⇆AJ
1133	AJ grooming MS.									

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 12th MONTH 01 YEAR 09 OBSERVER BP FirstTWNJ 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	AJ self grooming.									
1145	LK AJ PG PB MS ES YB	TG	TT	TSEM	EST/SB	✓	THV	THV		
1146	Silent cop. and dart, 7 secs,			M→F	approach					CP LK→TG
1150	MS chased and attacked TG (attack two) by slapping									
	and kicking, and she screamed a lot but didn't avoid.									
1200	LK AJ PG PB MS ES YB	TG	TT	TSEM	EST/SB	✓	URH THV	RF THV		
1208	Someone was attacked in dense vegetation									
	and he fled screaming.									
1215	LK AJ PG PB MS ES YB	TG	TT	TSEM	EST/SB	✓	URH THV	RF THV		
1230	LK AJ PG PB MS ES YB	TG	TT	TSEM	〃	✓	〃	〃		
1245	LK AJ PG PB MS ES YB	TG	TT	TSEM	〃	✓	〃	〃		
1300	LK AJ PG PB MS ES YB	TG	TT	TSEM	〃	✓	〃	〃		
1305	AJ self grooming.									
1315	LK AJ PG PB MS ES YB	TG	TT	TSEM	K15 OFF TREE	✓	THV	THV		
1330	LK AJ PG PB MS ES YB	TG	TT	TSEM	〃	✓	〃	〃		
1335	Heard distant calls from south of K15 and									
	this party responded with many barks.									
1345	LK AJ PG PB MS ES YB	TG	TT	TSEM	K15 OFF TREE	✓	THV	THV		
1400	LK AJ PG PB MS ES YB	TG	TT	TSEM	〃	✓	〃 URH	〃 RF		

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 12th MONTH 01 YEAR 09 OBSERVER Fm TW BP NJ 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
1404	Cop. with screams and dart, 10 secs, F→M approach									CP YB→TG
1415	LKAJ PG PB MS ES YB	TG	TT	TS EU	16S/off trail	✓	URH THV	RF THV		
1418	Hand clasp mutual groom									HCG MS ⇄ LK
1419	MS grooming LK.									
1420	Both MS LK self grooming.									
1430	LKAJ PG PB MS ES YB	TG	TT	TS EU	16S/off trail	✓	URH	RF		
1445	LKAJ PG PB MS ES YB	TG	TT	TS EU	"	✓	"	"		
1453	Cop. with screams and dart, 7 secs, F→M approach									CP PG→TG
1500	LKAJ PG PB MS ES YB	TG	TT	TS EU	16S/off trail	✓	URH	RF		
1515	LKAJ PG PB MS ES YB	TG	TT	TS EU	"	✓	"	"		
1524	Cop. with screams and dart, 6 secs, M→F approach									CP ES→TG
1530	LKAJ PG PB MS ES YB	TG	TT	TS EU	16S/4E Ext	✓	URH	RF		
1545	LKAJ PG PB MS ES YB	TG	TT	TS EU	"	✓	"	"		
1600	LKAJ PG PB MS ES YB	TG	TT	TS EU	"	✓	URH THV	RF THV		
1615	LKAJ PG PB MS ES YB	TG	TT	TS EU	"	✓	"	"		
1630	LKAJ PG PB MS ES YB	TG	TT	TS EU	16S/4E Ext	✓	THV	THV		
1637	LK grooming MS.									
1645	LKAJ PG PB MS ES YB	TG	TT	TS EU	16S/4E Ext	✓	THV	THV		
1700	LKAJ PG PB MS ES YB	TG	TT	TS EU	"	✓	"	"		

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 12th MONTH 01 YEAR 09 OBSERVER Fm KJBP 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
1715	LKAJ MSES PGPB YB	TG	TT	TSEU	16s/4E ext	✓	THV	THV		
1730	LKAJ MSES PGPB YB	TG	TT	TSEU	"	✓	"	"		
1745	LKAJ MSES PGPB YB	TG	TT	TSEU	"	✓	"	"		
1800	LKAJ MSES PGPB YB	TG	TT	TSEU	"	✓	"	"		
1815	LKAJ MSES PGPB YB	TG	TT	TSEU	"	✓	"	"		
1830	LKAJ MSES PGPB YB	TG	TT	TSEU	"	✓	"	"	BWC	
1832	LK climbed into FBR and made food barks.									FBK
1838	MS moved and PB approached him pantgrunting									PTG
	but he didn't respond, then ES made non									
	vocal displays and PB fled pantbarking.									
1840	more IDs climbed into FBR. They are									
	feeding on un ripe fruit.									
1844	ES made non vocal displays and buttress bungs.									
	but no one responded.									
1845	LKAJ MSES PGPB YB	TG	TT	TSEU	16s/4E ex	✓	FBR	UF	BWC	
1848	TG building a night nest, 16m high, DBH 32 cm (E) sp.									
1850	TT building a night nest, 17m high DBH 32 cm (E) sp. Diospyrus.									Diospyrus
1854	MS building a night nest, 6m high, DBH ? sp. Strombosia.									
1900	LKES YBAJ PGPB MS	TG	TT	TSEU	16s/4E ext				BWC	
1915	AJ PBPG LK YB ES MS	TG	TT	TSEU	"				"	

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):

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1901 LK building a night nest, 7m high, DBH? sp. strombosia.

1901 PB pantgrunted to MS but he didn't respond. (PTG)

1903 PB building a night nest, 14m high DBH? sp.?