DAY 30th MONTH JAN YEAR 09 OBS-PC SM TMF/40 SJ TW MK HOW FOUND FT

	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	GV	WC	LS	NP	EU	ML	GRID	MNK	SP	PT
Estrus																			2		2													3	1	1						2					
5:45																																															
6:00																																															
6:15																																															
6:30																																															
6:45																																															
7:00																																															
7:15											X																							X	X							X	J/25	None	FNA	RF
7:30					X						X																							X	X							X				
7:45				X	X		X				X																							X	X	X	X	X		X		X				
8:00				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				
8:30				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				
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				
11:15				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				
11:45				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				
12:15					X				X		X																							X	X							X				
12:30					X				X		X																							X	X							X				
12:45					X				X		X																							X	X							X	J/25	None	FNA	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	GV	WC	LS	NP	EU	ML				
13:00					X				X		X								X		X	X	X											X	X							X	J/25	None	FNA	RF
13:15					X				X		X								X		X	X	X											X								X				
13:30					X				X		X								X		X	X	X											X								X				
13:45					X				X		X								X		X	X	X											X								X				
14:00					X				X		X								X		X	X	X											X								X				
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				
15:15											X																							X								X				
15:30											X																							X								X				
15:45						X				X	X																							X								X				
16:00						X				X	X																							X								X				
16:15						X				X	X																							X								X				
16:30						X				X	X																							X								X				
16:45						X				X	X																							X								X				
17:00						X				X		X																							X								X	J/25		FNA	RF
17:15						X																												X									K/25		THV	
17:30						X																												X									11		FST	YL
17:45																																		X									J/26	None	n	n
18:00																																		X										MGB	THV	
18:15																																		X										11	n	
18:30																																		X									J/26	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	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	GV	WC	LS	NP	EU	ML	GRID	MNK	SP	PT
Health																																															

COMMENTS

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

WA (3) QT (1) WL (1) **KPC Behavior** ML (2)

DAY 30th MONTH JAN YEAR 09 OBSERVER MR SM ST TW 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
710	OBS found Chimps in FNA tree feeding at									
	1S/2E									
715	TJ	WA ML		WE	1S/2E	V	FNA	RF	Ø	
722	AJ PB joined the party but no calls were made.									
726	Cop. Scream and dart appro. F -> M 8sec no groom..									CP AJ->WA no
	Interference.									
730	PB TJ AJ	WA ML		WE	1S/2E	V	FNA	RF	Ø	
734	LK YB WL WE QT GR NP joined the party YB made									
	vocal displays and buttress bungs Others									
	paint hooted									
737	QT made non vocal displays in a feeding									
	tree WA avoid casual screaming									
740	QT chased WA who fled screaming Others									
	didn't respond.									
742	QT made branch Shake against WA who									
	fled screaming									
742	Cop. Scream no dart appro M->F 6sec no groom									CP TJ->WA no
	Interference.									
745	TJ PB AJ LK YB	MR WA QT WL	WE GR	NP WE	1S/2E	V	FNA	RF	Ø	
753	QT moved towards WA who avoid casual Screaming.									

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 30th MONTH JAN YEAR 09 OBSERVER JWMKRM 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
754	QT made branch shake against wa who screamed but not avoiding. then TJ approached in between them and QT extended hand touch on TJ testacles, again QT presented to TJ he extend his foot to her estrous and wa kept screaming then QT extended foot to wa who extended the hand and touching on it									
800	YB TJ PB LK AJ	wa QT WL ML	WC QV	WE NP	1S/2E	✓	FNA	RF	Ø	
810	KK joined the party he made non vocal displays and buttress bungs Others made pant hoots									
815	KK TJ LK PB AJ YB	wa WL ML QT	WC QV	NP WE	1S/2E	✓	FNA	RF	Ø	
830	KK TJ LK PB AJ YB	wa WL ML QT	WC QV	NP WE	"	✓	"	"	Ø	
838	cop. Scream and dart MA 7sec no groom no interference									CP LK→wa
845	KK TJ LK PB AJ YB	wa WL ML QT	WC QV	NP WE	1S/2E	✓	FNA	RF	Ø	
900	KK TJ LK PB AJ YB	wa WL ML QT	WC QV	NP WE	"	✓	"	"	Ø	
902	PG joined the party he made non vocal displays and stapping the ground others pant hooted									
904	WL made wear barks and screams then she chassed ML who fled silent WL followed her while screaming									

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

904 TJ intervened made non vocal displays and WL continued screaming chassing ML, Others didn't respond.

OY (5) OT (2)

KPC Behavior

DAY 30th MONTH JAN YEAR 09 OBSERVER SMSTJKJ ICTWRMMK 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						
915	KK PG YB LK PB TJ AJ	OT WL WQ ML	WC BV	NP WE	IS 2E	✓	FNA	RF	Ø	
926	Silent cop. no dart appro. M→F 6sec he groomed her after									TJ CP→WQ
	no interference									
930	KK PG LK PB YB TJ AJ	OT WL WQ ML	WC BV	NP WE	IS 2E	✓	FNA	RF	Ø	
932	WQ grooming TJ									
940	ML grooming herself									
942	OY OM OG OT joined the party they made pant hoots Others also responded with pant hoots									
945	KK LK PG PB YB TJ PJ	OY WE WQ ML OT	OG WC BV	WE NP OM OT	IS 2E	✓	FNA	RF	Ø	
951	PB build a day nest and rest Tree = DOSP HT = 22m									
952	ML presented to AJ he inspected her by touch on estrous and smell on fingers then ML groomed AJ									
953	Cop. scream no dart appro. F→M 9sec no groom no interference									CP LK→WQ
1000	KK PG LK PB YB TJ PJ	OY WL WQ ML OT	OG WC BV	NP OT OM WE	IS 2E	✓	FNA	RF	Ø	
1002	AJ grooming himself									
1003	Cop. scream no dart appro. F→M 8sec no groom no interference									AJ CP→WQ
1015	KK PG LK PB YB TJ AJ	OY WL WQ ML OT	OG WC BV	NP OT OM WE	IS 2E	✓	FNA	RF	Ø	
1030	KK PG LK PB YB TJ PJ	OY WL WQ ML OT	OG WC BV	NP OT OM WE	"	✓	"	"	Ø	
1034	AJ entered into old nest and rest Tree = DOSP HT = 22m									
1034	KK and PG 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

KPC Behavior

DAY 30th MONTH JAN YEAR 09 OBSERVER SMSJ KJ ICTWRMMK 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
1035	KK grooming pg									
1035	PB leaving the day nest									
1036	Hand clasp mutual groom Pg ←→ KK ← PB									HCg
1039	PB screamed and he mounted KK									
1041	KK groomed Pg after hand clasp									
1045	KK LK PG PB YB AJ TJ	Wa OU WL ML QT	OG WC QV	NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
1045	Pg grooming KK									
1047	KK grooming pg									
1049	Pg grooming KK									
1051	Hand clasp mutual groom KK ←→ pg									HCg
1052	KK groomed pg after hand clasp									
1053	Mutual groom KK ←→ pg									
1054	Wa grooming WE									
1055	KK grooming pg after mutual									
1057	Pg grooming KK									
1059	KK grooming Pg									
1100	KK AJ LK PG PB TJ YB	OU Wa WL ML QT	OG WC QV	NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
1100	Ou om og leaving the feeding tree									
1100	Pg grooming KK									
1101	PB make aground nest and rest									

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 30th MONTH JAN YEAR 09 OBSERVER SMSJKJ ICTWRMMK 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
1102	OU approach pant grunting to KK and PG then									
	KK Inspected her by touch and smelling on estrous									
1102	Chain groom OG → KK → OU									
1103	OU made aground nest and rest									
1105	Some ID's entered into THV and started feeding in									
	adense vegetation									
1115	KK LK YB PG TJ AJ PB	WA WL QT OU ML	OG QV WC	NP OM OT WE	1S/2E	✓	FNA THV	RF	Ø	
1123	KK made vocal displays and buttress lounge Others									
	made waar barks									
1124	OU grooming OM									
1128	OM grooming OU									
1130	AJ YB LK KK PG PB TJ	OU WA WL QT ML	OG QV WC	NP OT OM WE	1S/2E	✓	FNA THV	RF	Ø	
1132	OU grooming OM									
1134	OM grooming OU									
1136	OT build aday nest and rest tree = CDU HT = 17m									
1144	OU grooming OM									
1145	AJ YB LK KK PG PB TJ	OU WA WL QT ML	OG QV WC	NP OT OM WE	1S/2E	✓	FNA THV	RF	Ø	
1145	WA (WE) leaving the feeding tree									
1145	WA build aday nest and rest tree = DOSP HT = 17m									
1200	AJ YB LK KK PG PB TJ	OU WA WL QT ML	OG QV WC	NP OT OM WE	1S/2E		FNA THV	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

1152 AJ leaving the nest

KPC Behavior

DAY 30th MONTH JAN YEAR 09 OBSERVER SM ICTWMKRM STKJ 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
1203	OM approach pant grunting to PG and she									PTG groomed
	him Shortly.									
1204	OM approach pant barking to PB and she				A	Presented to him, then he Inspected her by touch or estrous				
1206	Cop. Scream no dart MA 7sec no groom				no interference					CP PG→WG
1209	Some Individuals left the party and moved away									
	RM followed them.									
1215	AJ PB PG TJ	WA OM ML	OG	WE OT OM NP	IS/2E	✓	FNA THV	RF	Ø	
1217	OT leaving the nest and entered into FNA tree									
	then feeding and PG followed her in a tree									
1222	Cop. Scream and dart appro. F→M 9sec no groom no interference									CP PB→WG
1225	PB grooming WA									
1227	WA grooming PB									
1228	PB grooming WA									
1229	WA grooming PB									
1230	AJ PB PG TJ	WA OM ML	OG	WE OT OM NP	IS/2E	✓	FNA THV	RF	Ø	
1231	PB grooming WA									
1234	WA grooming PB									
1240	WA grooming herself									
1245	AJ PG PB TJ	WA OM ML	OG	WE OT OM NP	IS/2E	✓	FNA THV	RF	Ø	
1300	AJ PG PB TJ	WA OM ML	OG	WE OT OM NP	h	✓	h	h	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 30th MONTH JAN YEAR 09 OBSERVER SM SJ KJ IC TWMK 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						
1315	AJ TJ PG PB	ML DU WA	OG	NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
1324	It started raining and chimps were in a tree									RN
	feeding									
1330	AJ TJ PG PB	ML DU WA	OG	NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
1345	AJ TJ PB PG	ML DU WA	OG	NP OT OM WE	〃	✓	〃	〃	Ø	
1400	AJ TJ PB PG	ML DU WA	OG	NP OT OM WE	〃	✓	〃	〃	Ø	
1415	AJ TJ PB PG	ML DU WA	OG	NP OT OM WE	〃	✓	〃	〃	Ø	
1430	AJ TJ PB PG	ML DU WA	OG	NP OT OM WE	〃	✓	〃	〃	Ø	
1445	AJ TJ PB PG	ML DU WA	OG	NP OT OM WE	〃	✓	〃	〃	Ø	
1447	PG and PB leaving the feeding tree and									AJ
	DU OG OM OT followed them and moved away									
1500	TJ	ML WA		WE NP	1S/2E	✓	FNA	RF	Ø	
1515	TJ	ML WA		WE NP	〃	✓	〃	〃	Ø	
1525	It stoped raining and Some Individuals were									
	Still in FNA Tree feeding									
1530	TJ	ML WA		WE NP	1S/2E	✓	FNA	RF	Ø	
1541	Heard distant calls from WEST of K1S this									
	party responded with pant hoots									
1543	MS and ES Eu joined the party and ES made									
	vocal displays and buttress bangs Others pant hooted									

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; O: Other unusual events

KPC Behavior

DAY 30th MONTH JAN YEAR 09 OBSERVER SM SJ KJ (LC TW 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
1545	MS ES TJ	WA ML		NP EU WE	1S/2E	✓	FNA	RF	Ø	
1545	Cop. Scream no dart appro. F→M 9sec				no groom					CP ES→WA no interference
1600	MS ES TJ	WA ML		NP EU WE	1S/2E	✓	FNA	RF	Ø	
1609	TJ leaving the feeding tree									
1615	MS ES TJ	WA ML		NP EU WE	1S/2E	✓	FNA	RF	Ø	
1626	WA grooming ES									
1630	MS ES TJ	WA ML		NP EU WE	1S/2E	✓	FNA	RF	Ø	
1641	Silent Cop. no dart appro. M→F 7sec				no groom				no Int	CP ES→WA no interference
1645	MS ES TJ	WA ML		NP EU WE	1S/2E	✓	FNA	RF	Ø	
1700	MS ES TJ	WA ML		NP EU WE	"	✓	"	"	Ø	
1704	WA (WE) MS leaving the feeding tree and reach on ground then moving Other IBs remained behind									
1713	Chimps entered into THV and started feeding in adense vegetation									
1715	MS	WA		WE	3S/SB	✓	THV		Ø	
1730	MS	WA		WE	"	✓	FST "	YL	Ø	
1732	MS got lost in THV									
1745		WA		WE	3S/SB	✓	FST	YL	Ø	
1749	WA feeding on TRI young Leaves									
1755	WA feeding on ANT 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

1728 WA feeding on FST young Leaves

KPC Behavior

DAY 30th MONTH JAN YEAR 09 OBSERVER SMSTMK 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						
1800		WA		WE	5S/SE	V	THV		mgB	
1815		WA		WE	1E/5S	V	4		4	
1830		WA		WE	4	V	4		4	
1835	OBS Abandoned WA, WE in THV feeding before nesting									
	at 1E/5S									

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