Estrus	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	OL	GRID	MNK	SP	PT
5:45																																															
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7:00																																																
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7:30				X															X	X	X																						X	L/24		FNA	RF
7:45				X															X	X	X																						X				
8:00				X															X	X	X																						X				
8:15				X															X	X	X																						X				
8:30				X															X	X	X																						X				
8:45				X															X	X	X																						X				
9:00				X			X												X	X	X																						X				
9:15				X			X												X	X	X																						X				
9:30				X		X	X												X	X	X																						X				
9:45				X		X													X	X	X																						X				
10:00				X			X												X	X	X																						X	L/24		FNA	RF
10:15																			X	X	X																						X	K/25		CAF	YL
10:30																			X	X	X																						X			CAF	YL
10:45																			X	X	X																						X			CAF	YL
11:00																			X	X																							X			—	—
11:15																			X	X																							X			—	—
11:30																			X	X																							X			—	—
11:45																			X	X																							X			—	—
12:00																			X	X																							X				
12:15																			X	X																							X				
12:30																			X	X																							X				
12:45																			X	X	X																						X				

	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	OL	GRID	MNK	SP	PT
13:00																			X	X	X																						X			—	—
13:15																			X	X	X																						X			—	—
13:30																			X	X	X																						X			—	—
13:45																			X	X	X																						X			—	—
14:00																			X	X	X																						X			CAF	YL
14:15																			X	X	X																						X			THV	THV
14:30																			X	X	X																						X			THV	THV
14:45																			X	X	X																						X	K/25		THV	THV
15:00																			X	X	X																						X	L/25			
15:15																			X	X																							X	M/25	RDC	FNA	RF
15:30																			X	X																							X		"	—	
15:45																			X	X																							X		"	—	
16:00																			X	X																							X		"	—	
16:15																			X	X																							X		"	—	
16:30																			X	X																							X		"	—	
16:45																			X	X																							X		"	—	
17:00																			X	X	X																						X		Blu RDC	—	
17:15																			X	X	X																						X		Blu RDC	—	
17:30																			X	X	X																						X	M/25	"	—	
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Health			1	1		1		1						1	1				4	1	1	1																									

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

DAY **22** MONTH **MAY** YEAR **2009** OBSERVER **KJIC** 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 (Juveniles and Infants)						
720	KJ found chimps at 27/WST feeding on FNA									
	the individuals found are on OT OM OG OL & YB									
730	YB	OU	OG	OT OM OL	27 WST	✓	FNA	RF	Ø	
745	YB	OU	OG	OT OM OL	"	✓	FNA	RF	Ø	
746	it started raining, chimps continued feeding.									RN
800	YB	OU	OG	OT OM OL	27 WST	✓	FNA	RF	Ø	
815	YB	OU	OG	OT OM OL	"	✓	FNA	RF	Ø	
830	YB	OU	OG	OT OM OL	"	✓	FNA	RF	Ø	
837	OU was heard coughing and it dry.									
845	YB	OU	OG	OT OM OL	27 WST	✓	FNA	RF	Ø	
850	It stoped raining.									
852	LK joined the party and he climbed into the feeding tree, no any calls made.									
900	YB LK	OU	OG	OT OM OL	27 WST	✓	FNA	RF	Ø	
915	YB LK	OU	OG	OT OM OL	"	✓	FNA	RF	Ø	
930	YB LK	OU	OG	OT OM OL	"	✓	FNA	RF	Ø	
945	YB LK	OU	OG	OT OM OL	"	✓	FNA	RF	Ø	
"	OU OG coming out of 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   MK

DAY _22_ MONTH _MAY_ YEAR _2009_ OBSERVER _KJ IC TW_ 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						
954	OG OM and OT coming down from the feeding tree.									
1000	VBLK	OU	OG	OT OM OL	27 WST	✓	FNA RF		∅	
1005	OU family started moving leaving LK and 4B in the tree still feeding.									
1012	chimps climbed into CAF and started feeding									
1015		OU	OG	OT OM OL	28 CRd	✓	CAF 4L		∅	
1019	OU (G) and OM entered into old nests in CAF at 16 metres high.									
1030		OU	OG	OT OM OL	28 CRd	✓	CAF 4L		∅	
1045		OU	OG	OT OM OL	,,	✓	CAF 4L		∅	
1100		OU	OG	OT OM OL	,,				∅	
1115		OU	OG	OT OM OL	,,				∅	
1130		OU	OG	OT OM OL	,,				∅	
1145		OU	OG	OT OM OL	,,				∅	
1200		OU	OG	OT OM OL	,,				∅	
1215		OU	OG	OT OM OL	,,				∅	
1230		OU	OG	OT OM OL	,,				∅	
1245		OU	OG	OT OM OL	,,				∅	

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 22 MONTH MAY YEAR 2009 OBSERVER KJ/CTW Found: C (FT) FFT N Other _____

MK

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM	JFF (Juveniles and Infants)						
1300		OU	OG	OT OM OZ	28 GRD				Ø	
1315		OU	OG	OT OM OZ	,,				Ø	
1330		OU	OG	OT OM OZ	,,				Ø	
1345		OU	OG	OT OM OZ	,,				Ø	
1357 OU @ OZ coming out of the day nest and started feeding on YL.										
1358 OT and OG also left their day nests.										
1400		OU	OG	OT OM OZ	28 CRD	✓	CAF	YL	Ø	
1402 chimps coming down from CAF.										
1404 chimps entered into THV.										
1415		OU	OG	OT OM OZ	27 CRD	✓	THV	THV	Ø	
1430		OU	OG	OT OM OZ	,,	✓	THV	THV	Ø	
1435		OU	OG	OT OM OZ	,,	✓	THV	THV	Ø	
1449 OT eating brown soil from a hole on the the ground.										
1500		OU	OG	OT OM OZ	27 M				Ø	
1511 chimps climbed into FDA at T/24.										
1515		OU	OG	OT OM OZ	T 24	✓	FDA	RF	RDC	
1518 one RDC male monkey chased OU out of the feeding tree making alarm calls.										

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

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
	OU fled down the tree silent.									
1520	one male monkey chased OT making alarm calls OT fled down silently following OM & OG. After 4 adult males occupied tree making displays by shaking branches.									
1521	OG was heard sneezing									
1530		OU	OG	OT OM OL	I 24				ROC	
1531	OU grooming OT									
1545		OU	OG	OT OM OL	I 24				ROC	
1600		OU	OG	OT OM OL	))				))	
1612	it started raining									RN
1615										
1630										
1634	chimps climbed back to the F.T.A.									
1643	4 ROC male monkeys were resting with in the feeding tree chased chimps making calls, chimps fled out of the feeding tree silent. Then 2 males sat at the point connecting the 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 __22nd__ MONTH __MAY__ YEAR __2004__ OBSERVER __KJ 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						
1645		OU	OG	OT OM OL	I 24				ROC	

1646 OG approached 2 ROC monkeys making non vocal displays and shaking branches. The monkey made alot of calls and chased him, OG fled silently. Other monkey that were in the near by tree also came and occupied the tree.

1618 OG broke a dry branch and tried to through it to the monkey but in vein.

1649 OG broke another dry branch and made non vocal displays then through the stick to the monkeys and they ignored him.

1650 OG made non vocal displays towards the 2 adult males they retaliated and chased him, OG fled displaying.

Time	AMM	AFF	JMM	JFF	Loc	F	SP	PT	MNK	BEH CODE
1700		OU	OG	OT OM OL	I 24				ROC Blu	

1705 it stoped raining.

Time	AMM	AFF	JMM	JFF	Loc	F	SP	PT	MNK	BEH CODE
1715		OU	OG	OT OM OL	I 24				ROC Blu	
1730		OU	OG	OT OM OL	"				"	

1735 KJ left the chimps with TW & MK who continued following them.

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