DAY 8th MONTH JUNE YEAR 2009 OBS-PC KJ TMF/40 ASSE JM RM ST FM TW MK HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN
Estrus																		
5:45																		
6:00																		
6:15																		
6:30																		
6:45												X						
7:00												X						
7:15												X						
7:30												X						
7:45												X						
8:00												X						
8:15												X						
8:30												X						
8:45				X								X						
9:00				X				X				X						
9:15				X				X				X						
9:30				X				X				X						
9:45				X				X				X						
10:00				X				X				X						
10:15				X				X				X						
10:30				X				X				X						
10:45				X				X				X						
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						
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN
13:00				X				X				X						
13:15				X				X				X						
13:30																		
13:45																		
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20:00																		
20:15																		
20:30																		
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN
Health				1				1				1						

	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
Estrus	1	1			1												1		1										
5:45																													
6:00																													
6:15																													
6:30																													
6:45	X	X	X	X	X	X	X																		X	L124		CAF	YL
7:00	X	X	X	X	X	X	X																		X	↓		↓	↓
7:15	X	X	X	X	X	X	X																		X	↓		↓	↓
7:30	X	X	X	X	X	X	X																		X	↓		CAF	YL
7:45	X	X	X	X	X	X	X																		X	↓		THV	THV
8:00	X	X	X	X	X	X	X																		X	↓		THV	THV
8:15	X	X	X	X	X	X	X																		X	L124		—	—
8:30	X	X	X	X	X	X	X																		X	M125		FNA	RF
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	↓		↓	↓
9:15	X	X	X	X													X	X	X	X					X	↓		↓	↓
9:30	X	X	X	X													X	X	X	X					X	↓		↓	↓
9:45	X	X	X	X													X	X	X	X					X	↓	RDT	↓	↓
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	↓	"	FNA	RF
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	↓		—	—
11:45	X	X	X	X													X	X	X	X					X	↓		—	—
12:00	X	X	X	X													X	X	X	X					X	↓		—	—
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	↓		—	—
	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				
13:00	X	X	X	X													X	X	X	X					X	↓		FNA	RF
13:15	X	X	X	X													X	X	X	X					X	↓		↓	↓
13:30	X	X	X	X																					X	↓		↓	↓
13:45	X	X	X	X																					X	↓		↓	↓
14:00	X	X	X	X																					X	↓		↓	↓
14:15	X	X	X	X																					X	↓		FNA	RF
14:30	X	X	X	X																					X	M125		—	—
14:45	X	X	X	X																					X	L124		CAF	YL
15:00	X	X	X	X																					X	↓		CAF	YL
15:15	X	X	X	X																					X	↓		THV	THV
15:30	X	X	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	↓		THV	THV
16:45	X	X	X	X																					X	↓		SL	SL
17:00	X	X	X	X																					X	↓		UVA	RF
17:15	X	X	X	X																					X	↓		↓	↓
17:30	X	X	X	X																					X	↓		↓	↓
17:45	X	X	X	X																					X	↓		↓	↓
18:00	X	X	X	X																					X	↓		UVA	RF
18:15	X	X	X	X																					X	L124		—	—
18:30	X	X	X	X																					X	L123		—	—
18:45	X	X	X	X																					X	L123		—	—
19:00																													
19:15																													
19:30																													
19:45																													
20:00																													
20:15																													
20:30																													
	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
Health	1	1	1	1	1	1	1										1	1	1	1					1				

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

KPC Behavior

DAY 8th MONTH JUNE YEAR 2009 OBSERVER KJ SJ MK FM ASSG TG, OU, OT, 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
641	Obs arrived at the nests and found some									
	of the IDs out of their nests feeding on									
	EAT.									
645	TJ	OU OT TG	OGTT	OM OL TS	B MFP	✓	CAF	YL	ϕ	
647	OU (F) coming out of the night nest and									
	crossed over to CAF.									
700	TJ	OU OT TG	OGTT	OM OL TS	B MFP	✓	CAF	YL	ϕ	
715	TJ	OU OT TG	OGTT	OM OL TS	"	✓	CAF	YL	ϕ	
730	TJ	OU OT TG	OGTT	OM OL TS	"	✓	CAF	YL	ϕ	
740	chimps coming down from				CAF					
743	chimps entered into THV and started feeding.									
745	TJ	OU OT TG	OGTT	OM OL TS	B FOOD	✓	THV	THV	ϕ	
800	TJ	OU OT TG	OGTT	OM OL TS	"	✓	THV	THV	ϕ	
815	TJ	OU OT TG	OGTT	OM OL TS	"				ϕ	
816	chimps coming out of THV TJ went missing.									
822	TG made non vocal displays and ground									
	slapping, others did not respond.									
825	chimps climbed into FNA at O/23									
830		OU OT TG	OGTT	OM OL TS	O/23	✓	FNA	RF	ϕ	
833	YB joined the party no any calls made.									

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 8th MONTH JUNE YEAR 2009 OBSERVER KJSJTM TWASSEJMRM WL, @T, 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
836	TJ WL and @T families joined the party making pant barking. Others did not respond.									
845	YB TJ	TG OL OT WL @T	OG TT WC @V	OM @L TS	@ 23	✓	FNA	RF	6	
11	Distant calls were heard from east of the location (@123) the party made pant barks.									
850	KK joined the party. no calls made.									
852	KK made non vocal displays. Others made pant barks and pant hoots then he climbed into the feeding tree.									
853	@T approached KK pant barking. KK ignored									
900	KK YB TJ	OL TG OT WL @T	WC @V OG TT	OM @L TS	@ 23	✓	FNA	RF	∅	
915	KK YB TJ	OL TG OT WL @T	WC @V OG TT	OM @L TS	11	✓	FNA	RF	∅	
928	YB grooming TG.									
930	KK YB TJ	OL OT TG WL @T	WC @V OG TT	OM @L TS	@ 23	✓	FNA	RF	∅	
945	KK YB TJ	OL OT TG WL @T	WC @V OG TT	OM @L TS	11	✓	FNA	RF	ROT	
1000	KK YB TJ	OL OT TG WL @T	WC @V OG TT	OI OM TS	11	✓	FNA	RF	ROT	
1005	WL entered into an old nest.									
1008	TJ coming down from FNA									

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 8th MONTH JUNE YEAR 2004 OBSERVER KJSJFMTW JMRM MK ES AS 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
1013	KK TT and OG coming down from FNA.									
1015	KK YB TJ	OU OT QT WL TG	OG TT WC QV	OM OL TS	Q 23	✓	FNA	RF	RDT	
1024	WL grooming KK									
1030	KK YB TJ	OU OT QT WL TG	OG TT WC QV	OM OL TS	Q 23	✓	FNA	RF	RDT	
1031	YB approached KK pant grunting and groomed him.								PTG	
1034	All chimps left the feeding tree.									
1039	KK grooming YB									
1041	QT made screams and chased OG who fled silently. Others did not respond.									
1045	KK YB TJ	OU OT QT WL TG	OG TT WC QV	OM OL TS	Q 23				RDT	
1047	QT grooming WL.									
1051	YB grooming KK									
1056	OG dragged WC on the ground and he made screams then WL came for WC waar barking QT also made waars, then OG and OU fled screaming and approached KK & YB extending hands, KK & YB ignored then OU & OG made waars at WL and QT who ignored 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

KPC Behavior

DAY 8th MONTH JUNE YEAR 2009 OBSERVER JM RM MK SE AS KJ SJ FM 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
1241	OT made screams then KK made non vocal displays and made attack one on OT with kicks and she made screams but did not avoid ou made waar barks.									
1244	OT made screams moving towards YB who ignored her, then continued moving and approached KK screaming and shook some branches to KK who charged and chased her, then made attack one on her with kicks and slaps, she made screams but did not avoid. ou intervened making waars to KK who turned to ou and made attack one on her with kick and slaps she made screams but did not avoid. YB fled silently.									
1245	KK YB TJ	OU TG WL OT OT	TT OG WC OU	OM OL TS	Q 23				Ø	
1251	ou family climbed back into FNA and started feeding while others stayed on the ground.									

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 8th MONTH JUNE YEAR 2009 OBSERVER KJ SJ MK RM 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
1300	KK4B TJ	OU OT WL OT OT	OG TT WL OW	OM OL TS	Q 23	✓	FNA	RF	Ø	
1315	KK4B TJ	OU OT WL OT OT	OG TT WL OW	OM OL TS	"	✓	FNA	RF	Ø	
1330		OU OT	OG	OM OL	"	✓	FNA	RF	Ø	
1345		OU OT	OG	OM OL	"	✓	FNA	RF	Ø	
1400		OU OT	OG	OM OL	"	✓	FNA	RF	Ø	
1415		OU OT	OG	OM OL	"	✓	FNA	RF	Ø	
1429	chimps coming down from the feeding tree									
1430		OU OT	OG	OM OL	Q 23				Ø	
1436	OT grooming OG.									
1443	chimps climbed into CAF at N/23 and started feeding on YL.									
1445		OU OT	OG	OM OL	M 23	✓	CAF	YL	Ø	
1500		OU OT	OG	OM OL	"	✓	CAF	YL	Ø	
1511	chimps coming down from					CAF				
1514	chimps entered into THV and started feeding.									
1515		OU OT	OG	OM OL	CRQ 23	✓	THV	THV	Ø	
1530		OU OT	OG	OM OL	"	✓	THV	THV	Ø	
1545		OU OT	OG	OM OL	"	✓	THV	THV	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

1319 – chimps separated KJ SJ MK & RM followed ou family.

KPC Behavior

DAY 8th MONTH JUNE YEAR 2009 OBSERVER KTS JMK RM 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						
1600		OU OT	OG	OM OL	CRD 23	L	THV	THV	Ø	
1612	The rain started.									RN
1615		OU OT	OG	OM OL	700 CRD	L	THV	THV	Ø	
1628	It stoped rainning.									
1630		OU OT	OG	OM OL	700 CRD	L	THV	THV	Ø	
1645	OG and OM eating brown soil from roots of a fallen tree.									OT
1645		OU OT	OG	OM OL	800 CRD	L	SL	SL	Ø	
1647	It started rainning again.									
1649	OU & OM climbed into UVA. OT and OG into									CAF
1700		OU OT	OG	OM OL	B 800	L	UVA CAF	RF YL	Ø	
1708	It stopped rainning									
1715		OU OT	OG	OM OL	B 800	L	UVA CAF	RF YL	Ø	
1730		OU OT	OG	OM OL	"	L	"	"	Ø	
1731	Chimps comming down from the feeding trees									
1733	OG eating brown soil from the ground.									SL
1741	Chimps climbed into UVA.									
1745		OU OT	OG	OM OL	D 800	L	UVA	RF	Ø	
1800		OU OT	OG	OM OL	"	L	UVA	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

KPC Behavior

DAY 8th MONTH JUNE YEAR 2009 OBSERVER KJSJ RM 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
1812	chimps coming down from UWA.									
1815		OU OT	OG	OM OL	D/800				Ø	
1825	OU entered into an old nest and started improving it by adding on more leaves in UWA of about 28 cm dbh at 11 metres high.									
1827	OM entered into an old nest in a UWA of about 25 cm dbh 12 metres high and improved it by adding on more leaves.									
1828	OG started making a night nest in a UWA of about 23 cm dbh at 15 metres high.									
1828	OT making a night in CAF of about 38 cm dbh at 20 metres high.									
1829	OM left the nest she had entered.									
1830		OU OT	OG	OM OL	H/800				Ø	
1845		OU OT	OG	OM OL	11				Ø	
1850	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