DAY **3rd**   MONTH **AUG**   YEAR **2009**   OBS-PC **KJ**   TMF/40 **FM TW**   HOW FOUND **N**

Column codes (left to right): 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/TD/AN, GRID, MNK, SP, PT

Time	GRID	MNK	SP	PT
5:45				
6:00				
6:15	K123		FNA	RF
6:30				
6:45				
7:00				
7:15				
7:30				
7:45				
8:00				
8:15				
8:30				
8:45				
9:00				
9:15				
9:30				
9:45				
10:00				
10:15				
10:30				
10:45				
11:00				
11:15				
11:30				
11:45				
12:00			FNA	RF
12:15			—	—
12:30				
12:45	K123		THV	THV
13:00			FBR	RF
13:15			FBR	RF
13:30				
13:45		RDC	FGX	ML
14:00		"	FGX	ML
14:15		"	FGX	ML
14:30		"	—	—
14:45		"	—	—
15:00		"	—	—
15:15		"	—	—
15:30		"	THV	THV
15:45		"		
16:00		"		
16:15		"	↓	↓
16:30		"	THV	THV
16:45		"	FGX	YL
17:00		"	FGX	YL
17:15	↓	"	FGX	YL
17:30	K123	"		
17:45	K123		THV	THV
18:00			THV	THV
18:15			FNA	RF
18:30				
18:45			↓	↓
19:00	K123		FNA	RF
19:15				
19:30				
19:45				
20:00				
20:15				
20:30				

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

Time	AMM	AFF (Include estrous)	JMM (Juveniles	JFF and Infants)	Loc	F	SP	PT	MNK	BEH
607	Obs arriving at the nests and found chimps still in their nests, and it was drizzling.									
614	Some Ids started coming out of their nests and it was hard to tell who was coming out becaused they all most nested in the same tree. then crossed to the feeding tree.									
615		TG OU OT	TTOG	OMOU TSTO	L/800	✓	FNA	RF	∅	
630		OU OT TG	TTOG	OMOU TSTO	"	✓	FNA	RF	∅	
645		OU OT TG	TTOG	OMOU TSTO	"	✓	FNA	RF	∅	
658	AL family joined the party. No calls made.									
700		OU OT OT TG AL	ATM TTOG	OMOU TSTO AN	L/800	✓	FNA	RF	∅	
711	Some one was chased in a poor view and fled screaming others did not respond.									
715		OU OT TG AL	ATAZ TTOG	OMOT TSTO AN	L/800	✓	FNA	RF	∅	
730		OU OT TG AL	ATAZ TTOG	OMOT TSTO AN	"	✓	FNA	RF	∅	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KT** OTHERS **FM TW** FOUND **N**

Time	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745		OUOT ALTG	ATAZ TTOG	OMOL TSTO AN	L/800	✓	FNA	RF	∅	
758	AZ grooming AL.									
800		OUOT ALTG	ATAZ TTOG	OMOL TSTO AN	L/800	✓	FNA	RF	∅	
810	TS grooming TG									
815		OUOT ALTG	ATAZ TTOG	OMOL TSTO AN	L/800	✓	FNA	RF	∅	
817	TG grooming TS									
824	TS grooming TG									
827	BOth TS and TT grooming TG.									
835	TG grooming TT									
837	TT grooming TG									
838	TG grooming TT									
840	TT grooming TG									
842	AL grooming AT									
845		OUOT ALTG	ATAZ TTOG	OMOL TSTO AN	L/800	✓	FNA	RF	∅	
846	AT grooming AL									
849	Hand clasp mutual groom.		AL⇆AT							HCG
850	AL grooming AT after hand clasp.									
852	TG grooming TT									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim					Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?		Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KJ** OTHERS **FM TW** **LR₁** FOUND **N**

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles	JFF and Infants)	Loc	F	SP	PT	MNK	BEH
854	AL grooming AZ									
855	TG grooming TT									
859	Leaf groom by TG for 30sec - She was grooming TT and did the same after									
900		OLOT AL TG	ATAZ TTOG	6MOL TSTO PAN	L/800	✓	FNA	RF	Ø	
903	AZ grooming AL									
915		OLOT TGAL	ATAZ TTOG	OMOL TSTO PAN TO	L/800	✓	FNA	RF	Ø	
930		OLOT TGAL	ATAZ TTOG	OMOL TSTO AN	"	✓	FNA	RF	Ø	
945		OLOT TGAL	ATAZ TTOG	OMOL TSTO AN	"	✓	FNA	RF	Ø	
1000		OLOT TGAL	ATAZ TTOG	OMOL TSTO AN	"	✓	FNA	RF	Ø	
1015		OLOT TGAL	ATAZ TTOG	OMOL TSTO AN	"	✓	FNA	RF	Ø	
1030		OLOT TGAL	ATAZ TTOG	OMOL TSTO AN	"	✓	FNA	RF	Ø	
1045		OLOT TGAL	ATAZ TTOG	OMOL TSTO AN	"	✓	FNA	RF	Ø	
"	TG broor a stick (dry) which is 3.5×16 cm and entered with it into an old nest with in the feeding tree and improved it									
1100		OLOT TGAL	ATAZ TTOG	OMOL TSTP AN	L/800	✓	FNA	RF	Ø	
1110	LR (20) joined the party, they made both pant									

Aggression/Received Aggression   (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim					Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KJ** OTHERS **FM JW** FOUND **N**

Time	AMM	AFF (Include estrous)	JMM	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
	Party Composition									
colspan	barks and pant hoots, TG left the nest.									
1115		AL TG OU OT LR	ATAZ TG TT LO	OM OL TS TO AN	L/800	✓	FNA	RF	∅	
1115	TG dropped the stick, but was not collected.									
1117	LR approached TG and groomed her.									
1119	TG went back into the day nest.									
1130		OU OT AL TG LR	ATAZ TG TT LO	OM OL TS TO AN	L/800	✓	FNA	RF	∅	
1145		OU OT AL TG LR	ATAZ TG TT LO	OM OL TS TO AN	"	✓	FNA	RF	∅	
1147	TG coming out of the day nest.									
1148	OG and OT crossed over to FGX and started feeding on YL followed by AL.									
1200		OU OT AL TG LR	ATAZ TG TT LO	OM OL TS TO AN	L/800	✓	FNA FGX	RF YL	∅	
1211	OU and AL families coming down from the feeding trees									
1215		OU OT AL TG LR	ATAZ TG TT LO	OM OL TS TO AN	L/800				∅	
"	TG family also coming down from the feeding tree.									
1220	AT grooming TG.									
1222	OT feeding on TRI YL.									

Aggression/Received Aggression   (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim					Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KJ** OTHERS **FMTW** FOUND **N**

Time	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1230		OLOT TG AL LR	ATAZ OG TT	OMOL TS AN	L/800				Ø	
1232	chimps started feeding on THV.									
1242	AL grooming AT									
1243	Hand clasp mutual groom AT→AL									HCG
1244	AL grooming AT after hand clasp.									
1245		OLOT TG AL LR	ATAZ OG TT	OMOL TS AN	L/800	✓	THV	THV	Ø	
"	AT grooming AL.									
"	chain groom AT→AL→AZ									
1247	Hand clasp mutual groom AL↔AT									HCG
1248	AL grooming AT									
1251	AT grooming AL									
1258	chimps coming out of THV LR@ went missing.									
1259	chimps climbed into FBR and started feeding on RF making food grunts									FGR
1300		OLOT TG AL	ATAZ TT OG	OMOL TS AN	Isula Bugu	✓	FBR	RF	Ø	
1315		OLOT TG AL	ATAZ TT OG	OMOL TS AN	"	✓	FBR	RF	Ø	
1326	chimps coming down from FBR.									

Aggression/Received Aggression   (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack	Victim	Response of Victim					Behavioral Context	Height
		Duration			1 2 3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KJ** OTHERS _____ FOUND _____

Time	AMM	AFF (Include estrous)	JMM (Juveniles	JFF and Infants)	Loc	F	SP	PT	MNK	BEH
1330		OU OT ALTG	ATAZ TTG	OM OT TS TD AN	Isule Bug				Ø	
1335	OU grooming OT									
1336	TG grooming TS as OT groom OM									
1338	OT grooming OU.									
1340	Hand clasp mutual groom OU⟷OT									HCG
1343	chimps climbed into FEX and started feeding on mature leaves.									
1345		OU OT AL TG	ATAZ TTG	OM OT TS TD AN	Isule Bug	FEX	ML		RDC	
1400		OU OT AL TG	ATAZ TTG	OM OT TS TD AN	"	FEX	ML		"	
1408	OU (OM) coming out of FEX followed by OM									
1412	one RDC male monkey chased OU and OM making alarm calls; OU & OM fled down silently.									
1415		OU OT ALTG	ATAZ TTG	OM OT TS TD AN	Isule Bug	FEX	ML		RDC	
1422	All chimps left the feeding tree (FEX).									
1430		OU OT AL TG	ATAZ TTG	OM OT TS TD AN	Isule Bug				RDC	
"	OG and OT playing by chasing one another									
1432	OM playing with TS by swinging									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1 2 3	Victim ID	Response of Victim No Av Submission Tn Rt RA					Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KJ** OTHERS **TW** FOUND **N**

Time	AMM	AFF (Include estrous)	JMM (Juveniles	JFF and Infants)	Loc	F	SP	PT	MNK	BEH
1434	OT grooming OU									
1435	TT playing with OG by going round the tree and wrestling.									
1445		OU OT TGAL	ATAZ TT OG	OMOL TSTD AN	Isule Bug				ROC	
1500		OU OT TGAL	ATAZ TT OG	OMOL TSTD AN	"				"	
1505	TS grooming OM.									
1515		OU OT TGAL	ATAZ TT OG	OMOL TSTD AN	Isule Bug				ROC	
1520	TT playing with OT by touching her.									
1526	OU and AL family started feeding on THV									
1530		OU OT TGAL	ATAZ TT OG	OMOL TSTD AN	Isule Bug	V	THV	THV	ROC	
1531	TT grooming TD									
1538	TT grooming TG									
1545		OU OT TGAL	ATAZ TT OG	OMOL TSTD AN	Isule Bug	V	THV	THV	ROC	
1553	TG grooming TT									
1558	TT grooming TG									
1600		OU OT AL TG	ATAZ TT OG	OMOL TSTD AN	Isule Bug	V	THV	THV	ROC	
1609	TG grooming TD									
1613	TG TT TS climbed into									

Aggression/Received Aggression   (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1 2 3	Victim ID	Response of Victim No Av Submission Tn Rt RA		Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey

KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KT** OTHERS **TW** FOUND **N**

Time	AMM	AFF (Include estrous)	JMM	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
		Party Composition								
1614	TT grooming TG									
1615		♀UTG / ♀TAL	♂TAP ♂GTT	♂M♀TS10 AN	Isule Bug	✓	THV	THV	RDC	
"	TG grooming TT									
1618	TG TT & TS started feeding on FEX YL.									
	while At family went missing									
1630		♀UTG ♀TG	♂GTT	♂M♀TS10	Isule Bug		FEX THV	YL THV	RDC	
1644	♀U ♀T ♂M also climbed into FNA followed									
	by ♂G.									
1645		♀UT ♀TG	♂GTT	♂M♀TS10	Isule Bug	✓	FEX	YL	RDC	
1700		♀UT ♀TG	♂GTT	♂M♀TS10	"	✓	FEX	YL	RDC	
1715		♀UT ♀TG	♂GTT	♂M♀TS10	"	✓	FEX	YL	RDC	
1723	♂T grooming ♂M									
1727	♀U ⓂM ♂M & ♂T coming down from FEX									
1730		♀UT ♀TG	♂TG	♂M♀TS10	Isule Bug				RDC	
1731	All chimps left the feeding tree (FEX).									
1734	♂G and TT eating brown soil from the roots									
	of afallen tree.									
1742	chimps started feeding on THV.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack	Victim	Response of Victim						Behavioral Context	Height
		Duration			1 2 3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

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KPC Behavior

DAY **3rd** MONTH **AUG** YEAR **2009** KPC **KT** OTHERS **TW** FOUND **N**

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1745		OU OT / TG	OG TT	OM OL / TS TO	L/800	✓	THV	THV	∅	
1800		OU OT / TG	OG TT	OM OL / TS TO	"	✓	THV	THV	∅	
1808	chimps coming out of THV.									
1810	chimps climbed into FNA and started									
	feeding as they joined AL family.									
1815		OU OT / TG AL	AT AZ / OG TT		L/800	✓	FNA	RF	∅	
1830		OU OT / TG AL	AT AZ / OG TT	OM OL / TS TO	L/800	✓	FNA	RF	∅	
1845		OU OT / TG AL	AT AZ / OG TT	OM OL / TS TO	"	✓	FNA	RF	∅	
1854	OU coming out of the feeding tree followed									
	by OM & OG.									
1857	OG entered in an old nest in an area									
	of about cm db at									
1858	OU entered into her last nights									
	nest and improved it by adding on more									
	leaves. dbh 93, height 35									
1859	AL (AN) AZ coming out of the feeding tree.									
1900	AT and OT fought and they exchanged									
	bites and kicks both making screams									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1 2 3	Victim ID	Response of Victim No Av		Submission	Tn Rt RA			Behavioral Context	Height T or G
1900	AT				✓	OT	NO		screams		✓		un known	T
"	OT				✓	AT	NO		screams				self protection	T

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

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KPC Behavior

DAY 3rd MONTH AUG YEAR 2009 KPC KJ OTHERS _____ FOUND ____

Time	AMM	AFF (Include estrous)	JMM	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
		at the end ot fled screaming, AL and ou made waa barks at them.								
1900		OUOT TGAL	ATAZ TTGG	OMGTOT 15 AN	SCOV		FNA	KF	Ø	
1903	*AL started making a night nest in the same tree with ou at 37 metres high*									
1903	*TG entered into an old nest which she used the last night. Tree, Diospyrus dbh 34cm height 32 metres.*									
1904	*AT started making a night nest in the same tree with ou & AL at 37 metres high.*									
1908	*Obs leaving the nesting site*									

Aggression/Received Aggression   (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1 2 3	Victim ID	Response of Victim No Av	Submission	Tn Rt RA	Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK   Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; CP: Copulation; CY: Carry; DR: Drink; ELE: Elephants; FBK: Food Bark; HCG: Hand-clasp groom; HNY: Honey