DAY 31st MONTH 08 YEAR '09 OBS-PC Fm TMF/40 KJ SJ TW KC AG HOW FOUND M

	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	TA (AG)	AN		GRID	MNK	SP	PT
Estrus																							1					1							1		1												
5:45																																																	
6:00		X									X																																			M/26		—	—
6:15		X									X																																					—	—
6:30		X									X																																					—	—
6:45	|X|																																														—	—
7:00		X										X																																				FBR	RF
7:15		X										X											X	X	X																	X		X						
7:30		X										X											X	X	X																	X		X						
7:45		X										X											X	X	X																	X		X						
8:00		X										X											X	X	X																	X		X			M/26		FBR	RF
8:15		X										X											X	X	X			X	X	X											X		X	X		N/25	RDC	PHY	"
8:30		X										X											X	X	X			X	X	X											X		X	X				"	RF
8:45		X										X											X	X	X			X	X	X											X		X	X				—	—
9:00		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		X	X				—	—
9:30		X										X											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		X	X				—	—
10:00		X										X											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		X	X				—	—
10:30		X										X											X	X	X			X	X	X					X	X	X	X			X		X	X		N/25	RDC	—	—
10:45		X																																												N/26		FCP	UF
11:00		X																																												"		"	"
11:15		X																																												N/27		—	—
11:30		X																																														—	—
11:45		X																																														—	—
12:00		X																																														—	—
12:15		X																																														—	—
12:30		X																																														—	—
12:45		X																																												N/27		—	—
	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	TA (AG)	AN					
13:00		X																																												N/27		—	—
13:15		X																																														—	—
13:30		X																																														—	—
13:45		X																																														—	—
14:00		X																																														—	—
14:15		X																																														—	—
14:30		X																																														ACA	Pith
14:45		X																																														CAF	YL
15:00		X																																												N/27		"	"
15:15		X																																												N/26	RDC	AFR	Pith
15:30		X																																													"	CAF	YL
15:45		X																																														FCP	UF
16:00		X																																														"	"
16:15		X																																													RDC	—	—
16:30		X																																														—	—
16:45		X																																														—	—
17:00		X																																														—	—
17:15		X																																														—	—
17:30		X																																														—	—
17:45		X																																														—	—
18:00		X																																														—	—
18:15		X																																														—	—
18:30		X																																														—	—
18:45		X																																												N/26	RDC	—	—
19:00																																																	
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20:15																																																	
20:30																																																	
	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	TA	AN		GRID	MNK	SP	PT
Health		1									1	1											1	1	1			1	1	1					1	1	1	1			1		1	1					

COMMENTS From 815–900 we also had Bwc.
TU rested alot during 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

T9 ①

KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJSJ ICTWAG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
558	Obs arrived at the nest site.									
600	TU PB				D/21					
615	TU PB				〃					
627	PB leaving the night nest.									
630	TU PB				D/21					
642	PB moved away and left the party.									
645	TU				D/21					
653	TU leaving the night nest.									
656	TU started feeding on FBR and made food barks.									FBK
657	TJ joined the party making non vocal									
	displays and TU pant hooted.									
700	TU TJ				D/21	✓	FBR	RF		
704	TJ made vocal displays in the feeding									
	tree and TU pant hooted.									
707	TG TT TSTD NP joined the party.									
715	TU TJ	TG	TT	TSTD NP	D/21	✓	FBR	RF		
730	TU TJ	TG	TT	TSTD NP	〃	✓	〃	〃		
739	TU made vocal displays and others pant hooted.									

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
657	TJ		23secs					None							Reunion	G
704	TJ	8secs						None							Unknown	T
739	TU	4secs						None							Unknown	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

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

AL ①

KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJ TW AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
745	TUTJ	T9	TT	TSTD NP	D/21	✓	FBR	RF		
755	Chimps climbed down the FBR except TS.									
757	TU eating brown soil from the roots.									SOIL
800	NP also eating brown soil from the roots.									SOIL
800	TUTJ	T9	TT	TSTD NP	D/21	✓	FBR	RF		
801	TS leaving the tree last.									
812	T9 grooming TS.									
814	The party joined another group and									
	someone pantbarked.									
815	TUTJ	T9 AL	AZ TTAT	TSTD ANNP	E/BFP	✓	PHY	RF	BWC RDC	UNF
816	TJ eating brown soil from the roots									SOIL
817	TU feeding on Trichillia young leaves.									
830	TUTJ	T9 AL	TTAT AZ	TSTD ANMP	E/BFP	✓	PHY	RF	BWC RDC	
842	TU TJ made joint vocal displays and									
	buttress bungs and others made waarbarks.									
844	AL approached TJ pantgrunting and extended									
	a hand and TJ bite her softly.									
845	TUTJ	T9 AL	TTAT AZ	TSTD ANNP	G/12				BWC RDC	

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
842	TUTJ	11secs						None							Unknown	9

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
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RD: Rain display; SOIL: Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJ TW AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
847	TJ made vocal displays and buttress bangs,									
	and others made hoos.									
856	TJ feeding on ANT young leaves.									
900	TM TJ	TS AN	TT AT AZ	TS TD AN MP	G/12				BWC Roc	
907	TM approached AN who pant grunted to him									PTG
	but he ignored.									
907	TG grooming TT.									
914	Heard distant calls from East 07 K 14 and									
	TM TJ made vocal displays as the others									
	responded with waarbarks.									
915	TM TJ	TS AN	TT AT AZ	TS TD AN MP	Q/9				Roc	
920	TM pant hooted and TJ made vocal displays,									
	and others responded from a distance.									
925	TJ made vocal displays and someone									
	pant hooted.									
929	TJ made vocal displays and TM joined him.									
	He continued displays and made buttress bangs,									
	and others responded from a distance.									

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

Time	ID	VD / NvD Duration	Chase	Attack 1	2	3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
847	TJ	8secs					None							Unknown	G
914	TM TJ	10secs					None							Social excitement	G
920	TJ	26secs					None							Social excitement	G
925	TJ	4secs					None							Unknown	G
929	TJ	7secs					None							Reunion	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
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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

QT ① WK ①

KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJ TW AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
930	TUTJ	TG AL QT WK	TT AT WE GN AZ	TS TD AN NP	K KRD				RDC	
931	TJ made vocal displays and buttress bangs									
	but no one responded.									
931	QT approached TU	pant-grunting but he ignored								PTG
932	TJ made vocal displays and buttress bangs,									
	and others made wahr barks.									
934	QT approached AT who extended a hand									
	and she smelled on it.									
936	TJ chased AT who fled screaming into									
	the tree but no one responded.									
945	TUTJ	TG AL QT WK	TT AT WE GN AZ	TS TD AN NP	K KRD				RDC	
953	AZ playing with NP by wrestling.									
1000	TUTJ	TG AL QT WK	TT AT WE GN AZ	TS TD AN NP	K KRD				RDC	
1015	TUTJ	TG AL QT WK	TT AT WE GN AZ	TS TD AN NP	4				4	
1026	AT grooming TU.									
1030	TUTJ	TG AL QT WK	TT AT WE GN AZ	TS TD AN NP	K KRD				RDC	
1035	Chimps separated and Fm KJ AG followed									
	TU who is the focal.									

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

Time	ID	VD / NvD Duration	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
931	TJ	5secs					None							Re Union	G
932	TJ	7secs					None							Re Union	G
936	TJ		4secs				AT		F	✓				Unknown	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
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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJ AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
1039	TU started feeding on unripe				Fcp		at	CT/12		
1045	TU				CT/12	✓	FCP	UF		
1100	TU				"	✓	"	"		
1111	TU made vocal displays and buttress bangs									
	but there was no response.									
1115	TU				S/KRD					
1130	TU				"					
1145	TU				"					
1200	TU				"					
1215	TU				"					
1230	TU				"					
1245	TU				"					
1300	TU				"					
1315	TU				"					
1330	TU				"					
1345	TU				"					
1400	TU				"					
1415	TU				S/KRD					

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

Time	ID	VD Duration	NvD	Chase	Attack 1	Attack 2	Attack 3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1111	TU	11secs						None							Unknown	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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IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; SOIL: Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJ AG FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1423	TU started feeding on ACA fruits after a long rest.									
1430	TU				S/KRS	✓	ACA	fruits		
1436	TU climbed into a small CAF.									
1445	TU				S/BFP	✓	CAF	YL		
1500	TU				"	✓	"	"		
1501	TU started moving.									
1502	Heard distant calls from the East of N and TU didn't respond.								KE	
1515	TU				S/BFP	✓	AFR	fruits	RDC	
1530	TU				"	✓	CAF	YL	"	
1542	TU climbed into FCP and started feeding on unripe fruits.									
1545	TU				S/BFP	✓	FCP	UF		
1600	TU				"	✓	"	"		
1607	TU leaving the feeding tree but carried some fruits.									
1615	TU				S/BFP				RDC	

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

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KPC Behavior

DAY 31st MONTH 08 YEAR 2009 KPC Fm OTHERS KJ AG FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1616	TU building 9 night nest, 17m high DBH									
	30cm (E) Sp. CWT.		(Celtis Wightii)							
1630	TU				S/BFP				RDC	
1645	TU				〃				〃	
1700	TU				〃				〃	
1715	TU				〃				〃	
1730	TU				〃				〃	
1745	TU				〃				〃	
1800	TU				〃				〃	
1815	TU				〃				〃	
1830	TU				〃				〃	
1845	TU				S/BFP				RDC	
1850	Obs leaving the nest 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

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IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)