DAY 19th MONTH 07 YEAR '09 OBS-PC Fm TMF/40 KJ AS 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	GRID	MNK	SP	PT
Estrus																																															
5:45																																												M/27	None	FCP	RF
6:00																																														
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11:00																																														FCP	RF
11:15																																														"	"
11:30																																														"	"
11:45																																														FCP	RF
12:00																																														CAF	YL
12:15																																														THV	THV
12:30																																														"	"
12:45																																													M/27	None	THV	THV
	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				
13:00																																												M/27	None	THV	THV
13:15																																													"	"
13:30																																														FBR	RF
13:45																																														"	"
14:00																																														FBR	RF
14:15																																														—	—
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16:30																																														"	"
16:45																																														FBR	RF
17:00																																														"	"
17:15																																														FBR	RF
17:30																																														THV	THV
17:45																																														CAF	YL
18:00																																												L/27		—	—
18:15																																												M/27		FGX	RF
18:30																																													FCP	
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19:15																																													M/27	None	FCP	RF
19:30																																															
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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	GRID	MNK	SP	PT
Health																																1:2															

COMMENTS LO was heard sneezing.
No monkeys encountered.

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

LR (1) QT (1) WL (1) TS (1)

KPC Behavior

AG

DAY 19th MONTH 07 YEAR 09 OBSERVER FM KJ 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
642	Obs found LR (LO) already feeding on Fcp.									
645		LR	LO		K/S	✓	Fcp	RF		
700		LR	LO		"	✓	"	"		
710	LO was heard sneezing very much.									
715		LR	LO		K/S	✓	Fcp	RF		
730		LR	LO		"	✓	"	"		
745		LR	LO		K/S	✓	Fcp	RF		
749	QT joined the party and pant grunted									PTG
	to LR from a distance.									
750	QT approached LR pant grunting and bite									PTG
	her hand, then LR groomed her.									
751	LR grooming LO.									
800		LR QT	LO QV		K/S	✓	Fcp	RF		
801	LR grooming LO.									
806	LR (LO) leaving the feeding tree.									
815		LR QT	LO QV		K/S	✓	Fcp	RF		
817	LR building a day nest, 8 m high.				DBH	R	Fm(E)	SP.	CAF.	
829	TS wh families joined the party and							QT		PTG
									Pant grunted.	
830		LRW QT TS	LQT WL QV	TS TD	K/S	✓	Fcp	RF		

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

Bl ① Bl ①

KPC Behavior

DAY 19th MONTH 07 YEAR 09 OBSERVER Fm Ag KJAs 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
845		Wh LR QT TS	LOTT WC QV	TSTD	K/S	✓	FCP	RF		
900		Wh LR QT TS	LOTT WC QV	TSTD	〃	✓	〃	〃		
915		Wh LR QT TS	LOTT WC QV	TSTD	〃	✓	〃	〃		
930		Wh LR QT TS	LOTT WC QV	TSTD	〃	✓	〃	〃		
945		Wh LR QT TS	LOTT WC QV	TSTD	〃	✓	〃	〃		
1000		Wh LR QT TS	LOTT WC QV	TSTD	〃	✓	FCP	RF		
1000	Wh (WC) leaving the feeding tree last but all didn't come to the ground.									
1015		Wh LR QT TS	LOTT WC QV	TSTD	K/S					
1030		Wh LR QT TS	LOTT WC QV	TSTD	〃					
1045		Wh LR QT TS	LOTT WC QV	TSTD	〃					
1050	TT then Wh (WC) moved back into the FCP.									
1058	QT (QV) leaving the day nest.									
1100		Wh LR QT TS	LOTT WC QV	TSTD	K/S	✓	FCP	RF		
1105	QT QV also moved back into FCP.									
1108	TT Self grooming.									
1112	Bl family with NP joined the party.									
1115		Bl Wh LR QT TS Bl	LOTT WC QV BO	TSTD NP	K/S	✓	FCP	RF		
1129	Chimps climbed down the feeding tree except NP.									

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):

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KPC Behavior

DAY 19th MONTH 07 YEAR 09 OBSERVER FmKJAS AG 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
1130		BU BU WW LR QT TG	BOTT LOWE BN	TSTD NP	K/S	✓	FCP	RF		
1131	QT grooming LR.									
1132	LR grooming QT.									
1133	Hand clasp mutual groom									HCG QT⇔LR
1134	QT grooming LR.									
1136	Chain groom QT→LR→WW.									
1140	BO carried LO about 2m away but when									
	he released him, he ran back to LR.									
1141	QT LO WW playing together by wrestling.									
1144	LO playing with a branch.									
1145	BO playing with LO by wrestling.									
1145		BU BU WW LR QT TG	BOTT LOWE BN	TSTD NP	K/S	✓	FCP CAF	RF YN		
1146	QV playing with a piece of wood.									
1159	BU was playing with TT when they fought. They									
	stepped each other and BU fled screaming.									
1200		BU BU WW LR QT TG	BOTT LOWE BN	TSTD NP	K/S	✓	CAF	YN		
1201	BU Self grooming.									
1205	WW playing with a stick.									
1215		BU BU WW LR QT TG	BOTT LOWE BN	TSTD NP	RS/S	✓	THV	THV		

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 19th MONTH 07 YEAR 09 OBSERVER FmKJAG 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
1218	LO playing alone by swinging.									
1225	LO playing with QV by wrestling.									
1226	BO TT playing by chasing each other in trees and ground.									
1230		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	S/28	✓	THV	THV		
1245		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	"	✓	"	"		
1300		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	G/S	✓	"	"		
1315		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	"	✓	"	"		
1324	Chimps climbed into FBR at				S/F	.				
1330		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	"	✓	FBR	RF		
1336	LR Chased NP who Had screaming in the fruiting tree then supplanted her.									
1337	LR chased NP and again she Had screaming.									
1345		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	S/F	✓	FBR	RF		
1400		BL BU WL LF DT TG	BOTT LOWE QV	TS TD NP	"	✓	"	"		
1403	Chimps climbed down the feeding tree and rested on ground.									
1410	BU made a ground nest and rested.									
1412	BO playing with TS by wrestling and biting.									
1413	QV playing alone by swinging.									

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 19th MONTH 07 YEAR 09 OBSERVER AG FM KJAS 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
1415		BL BU WL LR QT TG	BOTT LOWC QN	TS TD NP	F/S					
1417	TT grooming TS.									
1418	TT playing with TS by wrestling.									
1418	LR playing with LO by touching.									AP
1430		BL BU WL LR QT TG	BOTT LOWC QN	TS TD NP	F/S					
1434	QV playing with LO by wrestling.									
1438	Chain groom, QT → LR → WL.									
1440	QT grooming LR.									
1444	QT WL grooming LR.									
1445		BL BU WL LR QT TG	BOTT LOWC QN	TS TD NP	F/S					
1448	QT grooming LR.									
1453	LR grooming QT.									
1500		BL BU WL LR QT TG	BOTT LOWC QN	TS TD NP	F/S					
1512	NP climbed back into FBR.									
1515		BL BU WL LR QT TG	BOTT LOWC QN	TS TD NP	F/S		FBR	RC		
1517	QT self grooming.									
1518	NP leaving the feeding tree.									
1525	BU, TT fought, dragging, slapping and hitting each other, TG BL approached making war barks and LR made vocal displays then TG ran into the tree 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 19th MONTH 07 YEAR 09 OBSERVER Fm KJAS AG 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
1526	BO made an arm threat to TG who screamed									
	but didn't avoid, then BL approached making									
	soft screams to LR who mounted her.									
1527	BU approached screaming and bite TG's hand,									
	then TG touched BU's genitals.									
1529	BU grooming TG.									
1530		WL LR BU BL QT TG	BO TT Lowe QN	TS TD NP	C Ex off Trail					
1530	Hand clasp mutual groom									Hcg BU ↔ TG
1531	BU grooming TG									
1536	BO playing with TT by chasing each other									
	in trees and ground.									
1545		WL LR BL BU QT TG	BO TT Lowe QN	TS TD NP	C Ex off Trail					
1547	TS playing with NP by bitting.									
1547	QT grooming LR.									
1548	BU self grooming.									
1550	TT BU playing together by chasing.									
1551	LR grooming QT.									
1552	TG feeding on Trichillia young leaves.									
1553	WL eating black soil from the roots of a fallen tree.									

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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 19th MONTH 07 YEAR 09 OBSERVER FmKJAS AG 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
1555	WL made vocal displays and TG fled screaming									
	to LR who mounted her.									
1600		BL BU QT TG WL LR	BOTT LOWC QV	TS TD NP	C Ex off Trail					
1602	Chimps moved into THV.									
1615		BL BU QT TG WL LR	BOTT LOWC QV	TS TD NP	C Ex off Trail	✓	THV	THV		
1630		BL BU QT TG WL LR	BOTT LOWC QV	TS TD NP	"	✓	"	"		
1638	Chimps climbed into FBR.									
1645		BL BU QT TG WL LR	BOTT LOWC QV	TS TD NP	S off Trail	✓	FBR	RF		
1646	BL chased NP who fled screaming in the									
	feeding tree but no one responded.									
1647	BL chased and made attack one to NP by									
	kicking and she retaliated, slapping and bitting her.									
1655	QT approached TS who avoided screaming									
	but no one responded.									
1700		BL BU WL LR QT TG	BOTT LOWC QV	TS TD NP	S off Trail	✓	FBR	RF		
1703	QT grooming QV.									
1709	Chimps climbed down the FBR except TG TS TD TT.									
1715		BL BU WL LR QT TG	BOTT LOWC QV	TS TD NP	S off Trail	✓	FBR THV	RF THV		
1727	TG leaving the FBR last.									

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KPC Behavior

DAY 19th MONTH 07 YEAR 09 OBSERVER FmKJAS AG 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
1730		BL BU QT TG WL LR	LOWC QV BOTT	TS TD NP	S/off Trail	✓	THV	THV		
1745		BL BU QT TG WL LR	LO WC BOTT BO	TS TD NP	S/K'TO	✓	CAF	YL		
1752	WL NP eating black soil from the roots.									
1758	Chimps scattered and TG BL families got lost.									
1800		WL LR QT	LOWC QV	NP	S/K'TO					
1803	Chimps climbed into FEX at				F/S					
1815		WL LR QT	LOWC QV	NP	S/F	✓	FEX	RF		
1817	QT grooming QV.									
1824	Chimps leaving the FEX.									
1829	Chimps climbed into FCP at				S/K.					
1830		WL LR QT	LOWC QV	NP	"	✓	FCP	RF		
1845		WL LR QT	LOWC QV	NP	"	✓	"	"		
1851	LR (LO) then WL QT leaving the feeding tree.									
1900		WL LR QT	LOWC QV	NP	S/K	✓	FCP	RF		
1903	LR building a night nest in poor view.									
1907	WL building a night nest, 18 m high, DBH 13 cm (E) sp. Albizzia									
1910	QT building a night nest in poor view also.									
1915		WL LR QT	LOWC QV	NP	S/K	✓	FCP	RF		
1915	NP moved into an old nest and started improving it.									
1920	Obs leaving the nest site.									

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