DAY 11th MONTH July YEAR 09 OBS-PC SM TMF/40 SJ IC HOW FOUND N

	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	GRID	MNK	SP	PT
Estrus													I	I					I																I											
5:45																																															
6:00																																															
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6:30																																															
6:45								X																											X	X					X		N/26	None	—	—
7:00								X																											X	X					X		"	"	—	—
7:15								X																											X	X					X		N/27		FCP	RF
7:30								X																											X	X					X					
7:45								X																											X	X					X					
8:00								X																											X	X					X					
8:15								X																											X	X					X					
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8:45								X																											X	X					X				FCP	RF
9:00								X																											X	X					X				CAF	YL
9:15								X																											X	X					X				"	"
9:30								X																											X	X					X				—	—
9:45								X																											X	X					X				CAF	YL
10:00								X					X	X	X																				X	X					X				"	"
10:15								X					X	X	X																				X	X					X				—	—
10:30								X					X	X	X																				X	X					X				—	—
10:45								X					X	X	X																				X	X					X				—	—
11:00								X					X	X	X																				X	X					X				THV	
11:15								X					X	X	X																				X	X					X					
11:30								X					X	X	X																				X	X					X					
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12:45								X					X	X	X																				X	X					X		M/27	None	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				
13:00								X					X	X	X																				X	X					X		M/27	None	FVA	UF
13:15								X					X	X	X																				X	X					X				"	"
13:30								X					X	X	X																				X	X					X				THV	
13:45								X					X	X	X																				X	X					X					
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14:15								X					X	X	X																				X	X					X					
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14:45								X					X	X	X																				X	X					X				↓	
15:00								X					X	X	X																				X	X					X				THV	
15:15								X					X	X	X																				X	X					X				TRI	YL
15:30								X					X	X	X																				X	X					X				THV	
15:45								X					X	X	X																				X	X					X				CAF	YL
16:00								X					X	X	X																				X	X					X				"	"
16:15								X					X	X	X																				X	X					X				"	"
16:30								X					X	X	X																				X	X					X		↓		THV	
16:45								X					X	X	X																				X	X					X		M/27			
17:00								X					X	X	X																				X	X					X		M/28		↓	
17:15								X					X	X	X																				X	X					X				THV	
17:30								X					X	X	X																				X	X					X				CAF	YL
17:45								X					X	X	X																				X	X					X				THV	
18:00								X					X	X	X																				X	X					X		↓	↓	CAF	YL
18:15								X					X	X	X																				X	X					X		M/28	None	"	"
18:30																																															
18:45																																															
19:00																																															
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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	GRID	MNK	SP	PT
Health								1					2	1	1																				1	1					1					

COMMENTS BL have wet cough and No monkey's 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

WL (1)

KPC Behavior

DAY 11th MONTH July YEAR 09 OBSERVER SMSJIC 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
644	OBS arrived at the nest site									
645	KK	WL	WC	NP	21/BFP				Ø	
653	KK leaving anight nest									
654	KK climbed down on ground others followed him									
	both moving									
658	KK made vocal displays and buttress bungs NP									
	made waars at sametime WL chassed NP who									
	fled screaming approaching KK and she made									
	soft bites on KK's hand									
700	KK	WL	WC	NP	24/GLT				Ø	
707	chimps climbed into FCP tree and started									
	feeding on ripe fruits									
715	KK	WL	WC	NP	S/K	✓	FCP	RF	Ø	
723	WL approach pant grunting to KK and she presented PTG									
	to him, KK Inspected her by touch on estrous									
726	WL made arm threat to NP who screamed but not									
	avoid NP extended hand to WL but no contact									
730	KK	WL	WC	NP	S/K	✓	FCP	RF	Ø	
745	KK	WL	WC	NP	"	✓	"	"	Ø	
752	WL grooming (WC)									

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

BL① BU①

KPC Behavior

DAY 11th MONTH July YEAR 09 OBSERVER SMSJIC 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						
800	KK	WL	WC	NP	S/K	✓	FCP	RF	Ø	
808	NP grooming herself									
815	KK	WL	WC	NP	S/K	✓	FCP	RF	Ø	
830	KK	WL	WC	NP	"	✓	"	"	Ø	
839	KK leaving the feeding tree and rest on ground									
845	KK	WL	WC	NP	S/K	✓	FCP	RF	Ø	
849	NP leaving the feeding tree and entered into Old									
	nest then rest. HT = 20 m high, tree = POLISIOUS									
855	WL (WC) leaving the feeding tree and moving									
856	KK feeding on CAF young leaves									
900	KK	WL	WC	NP	S/K	✓	CAF	YL	Ø	
915	KK	WL	WC	NP	"	✓	"	"	Ø	
930	KK	WL	WC	NP	"				Ø	
945	KK	WL	WC	NP	"	✓	CAF	YL	Ø	
949	NP leaving the nest									
959	BL and her family joined the party but no calls									
	were made									
1000	KK	BL WL BU	BO WC	NP	S/K	✓	CAF	YL	Ø	
1005	WL grooming BO									
1008	Hand clasp mutual groom			BU ↔ BL						Hcg

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 11th MONTH July YEAR 09 OBSERVER SMSJC 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						
1005	BU groomed	BL after	hand clasp							
1010	BL grooming	BU								
1014	BU grooming	BL								
1014	Hand clasp	mutual groom	BL <->	BU						Hcg
1014	WL grooming	BO								
1015	KK	BL BU WL	WE BO	NP	S/K				Ø	
1015	BU groomed	BL after	hand	clasp						
1016	Hand clasp	mutual	groom	BU <->	BL					Hcg
1018	BL groomed	BU after	hand	clasp						
1019	Chain groom	WL ->	BU ->	BL						
1020	BU grooming	BO								
1020	KK	grooming	himself							
1026	BO playing	with WE	Where by	BO make	soft	bites	on	WE		
1030	KK	WL BL BU	BO WE	NP	S/K				Ø	
1036	BU grooming	her self	and WL	grooming	WE	and	BO	at her	looking	
1038	BL grooming	BU								
1043	BU grooming	BL								
1045	KK	WL BL BU	BO WE	NP	S/K				Ø	
1047	BL was	heard	coughing	(wet cough)						
1047	Hand clasp	mutual	groom	BL <->	BU					Hcg

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 11th MONTH July YEAR 09 OBSERVER SMSJIC 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						
1049	BL groomed	BY after	hand clasp							
1050	BY grooming BL									
1056	Mutual groom	BL <-> BY								
1056	Chimps started moving									
1100	KK	BL WL BY	BO WE	NP	S/K	✓	THV		Ø	
1115	KK	BL WL BY	BO WE	NP	S/28	✓	"		Ø	
1130	KK	BL WL BY	BO WE	NP	"	✓	"		Ø	
1145	KK	BL BY WL	BO WE	NP	"	✓	"		Ø	
1200	KK	BL BY WL	BO WE	NP	"	✓	"		Ø	
1215	KK	BL BY WL	BO WE	NP	"	✓	"		Ø	
1230	KK	BL BY WL	BO WE	NP	"	✓	"		Ø	
1245	KK	WL BY BL	BO WE	NP	JG/29	✓	"		Ø	
1256	chimps climbed into FVA tree and feeding									
	on un ripe fruits									
1300	KK	WL BL BY	BO WE	NP	JG/29	✓	FVA	UF	Ø	
1315	KK	WL BL BY	BO WE	NP	"	✓	"	"	Ø	
1328	Chimps climbed down and moving on ground									
1330	Chimps started feeding on				THV					
1330	KK	WL BL BY	BO WE	NP	JG/29	✓	THV		Ø	
1345	KK	BL WL BY	BO WE	NP	"	✓	"		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 11th MONTH July YEAR 09 OBSERVER SM 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						
1400	KK	WL BL BU	BO WE	NP	J9/29	✓	THV		Ø	
1415	KK	WL BL BU	BO WE	NP	〃	✓	〃		Ø	
1430	KK	WL BL BU	BO WE	NP	〃	✓	〃		Ø	
1445	KK	WL BL BU	BO WE	NP	〃	✓	〃		Ø	
1500	KK	WL BL BU	BO WE	NP	〃	✓	〃		Ø	
1514	WL feeding on TRI young leaves									
1515	KK	WL BL BU	BO WE	NP	29/J9	✓	TRI THV	YL	Ø	
1530	KK	WL BL BU	BO WE	NP	M	✓	THV		Ø	
1545	KK	WL BL BU	BO WE	NP	S/J9	✓	CAF TRI	YL YL	Ø	
1545	KK feeding on TRI young leaves									
1600	KK	WL BL BU	BO WE	NP	S/J9	✓	CAF	YL	Ø	
1615	KK	WL BL BU	BO WE	NP	〃	✓	〃	〃	Ø	
1630	KK	WL BL BU	BO WE	NP	〃	✓	THV		Ø	
1645	KK	WL BL BU	BO WE	NP	〃	✓	〃		Ø	
1700	KK	WL BL BU	BO WE	NP	S/KTO	✓	〃		Ø	
1715	KK	WL BL BU	BO WE	NP	〃	✓	〃		Ø	
1730	KK	WL BL BU	BO WE	NP	〃	✓	CAF	YL	Ø	
1745	KK	WL BL BU	BO WE	NP	〃	✓	THV		Ø	
1752	BL feeding on TRI young leaves									
1800	KK	WL BL BU	BO WE	NP	S/KTO	✓	CAF	YL	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 11th MONTH July YEAR 09 OBSERVER SMSJ 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						
1815	KW	BL WL BL	BO WE	NP	S/KTO	V	CAF	YL	Ø	
1817	WL (we) build a night nest and rest in tree = Sleep									
	HT = 18m high DBH = 28cm									
1825	OBS leaving the nest site, left Other IB's									
	feeding on 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