DAY 31st MONTH 05 YEAR 09 OBS-PC Fm TMF/40 KJ SEACAS 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																																															
5:45																																															
6:00																																															
6:15																																															
6:30																																															
6:45																																															
7:00											X	X																														M/26	M96	FNA	RF
7:15											X	X																																			
7:30											X	X																																			
7:45											X	X																																			
8:00											X	X																																			
8:15											X	X																																			
8:30											X	X																									X	X	X	X							
8:45											X	X																									X	X	X	X							
9:00											X	X																									X	X	X	X							
9:15											X	X																									X	X	X	X							
9:30											X	X																									X	X	X	X							
9:45											X	X																									X	X	X	X							
10:00											X	X																									X	X	X	X						↓	↓	↓
10:15											X	X																									X	X	X	X						M96	FNA	RF
10:30											X	X																											X	X						—	—
10:45											X	X																											X	X						PHM	RF
11:00											X	X																											X	X						"	"
11:15											X	X																											X	X						—	—
11:30											X	X																											X	X						—	—
11:45											X	X																											X	X						—	—
12:00											X	X																											X	X						PHM	RF
12:15											X	X																											X	X						CAF	YL
12:30											X	X																											X	X						"	"
12:45											X	X																											X	X						M/26	—	—
	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						M/26		AFR	PITH
13:15											X	X																											X	X						"		"	"
13:30											X	X																											X	X						CAF		CAF	YL
13:45											X	X																											X	X						"		"	"
14:00											X	X																											X	X						CAF		CAF	YL
14:15											X	X																											X	X						AFR		PITH	PITH
14:30											X	X																											X	X						ACA		YL	YL
14:45												X																																		CAF		"	"
15:00												X																																		"		"	"
15:15												X																																		CAF		YL	YL
15:30												X																																		ACA		PITH	PITH
15:45												X																																		M/26		"	"
16:00												X																																		M/25		—	—
16:15	X		X			X	X					X											X	X							X				X						X					FNA		RF	RF
16:30	X		X			X	X					X											X	X							X				X						X					RDT		"	"
16:45	X		X			X	X					X											X	X							X				X						X							"	"
17:00	X		X			X	X					X											X	X							X				X						X					FNA		RF	RF
17:15	X		X			X	X					X											X	X							X				X						X					—		—	—
17:30												X											X	X																							—		—	—
17:45												X											X	X																							M/25	RDT	—	—
18:00												X											X	X																							M/24		—	—
18:15												X											X	X																							"		—	—
18:30												X											X	X																							M/24		—	—
18:45																																																	
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	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		1	1			1	1		1	1	1											1	1	1						1	1			1	1	1	1			1							

COMMENTS AE 1000-1015 WE also had RDT.

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 QT ①

KPC Behavior

DAY 31st MONTH 05 YEAR 09 OBSERVER SEAC FMKTAS 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
653	Obs arrived at the nest site late because									
	of elephants and found chimps feeding on									FNA.
700	PBTJ				B/27	✓	FNA	RF	mgb	
715	PBTJ				"	✓	"	"	"	
730	PBTJ				"	✓	FNA	RF	mgb	
733	Heard distant calls from west of KM									
	and this party responded with warbarks.									
745	PBTJ				B/27	✓	FNA	RF	mgb	
800	PBTJ				"	✓	"	"	"	
809	Heard distant calls from west and									
	this party didn't respond.									
815	PBTJ				B/27	✓	FNA	RF	mgb	
828	Heard distant calls from west again and									
	this party warbarked.									
829	WL QT families joined the party and all panthooted.									
830	PBTJ	WL QT	WC QV		B/27	✓	FNA	RF	mgb	
845	PBTJ	WL QT	QV WC		"	✓	"	"	"	
900	PBTJ	WL QT	QV WC		"	✓	"	"	"	
915	PBTJ	WL QT	QV WC		B/27	✓	FNA	RF	mgb	

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 31st MONTH 05 YEAR 09 OBSERVER SEACAS Fm KJ 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						
930	PBTJ	WL QT	WC QV		B/27	✓	FNA	RF	mgb	
945	PBTJ	WL QT	WC QV		〃	✓	〃	〃	〃	
952	WL (WC) climbed down the feeding tree and built									
	a day nest, 20m high, DBH 30cm (E) SP Diospyros.									
1000	PBTJ	WL QT	WC QV		B/27	✓	FNA	RF	mgb RDT	
1015	PBTJ	WL QT	WC QV		〃	✓	〃	〃	〃	
1020	Chimps climbed down the feeding tree and									
	started moving but WL (WC) stayed in the day nest.									
1030	PBTJ	QT	QV		B/29					
1033	QT approached pant grunting and shook hands									PTG/ FBK
	with PB and they started feeding on									
	phytollaca and made food barks.									
1045	PBTJ	QT	QV		C/29	✓	PHY	RF		
1100	PBTJ	QT	QV		〃	✓	〃	〃		
1105	QT grooming PB.									
1112	Chimps leaving PHY and rested on the ground.									
1115	PBTJ	QT	QV		C/29					
1120	QT grooming QV.									
1130	PBTJ	QT	QV		C/29					

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

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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 31st MONTH 05 YEAR 09 OBSERVER SEACAS Em KJ 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						
1145	PBTJ	QT	QV		C/29					
1154	QT self grooming.									
1155	QT QV climbed back into PHY.									
1200	PBTJ	QT	QV		C/29	✓	PHY	LF		
1215	PBTJ	QT	QV		〃	✓	CAF	YN		
1230	PBTJ	QT	QV		C/29	✓	〃	〃		
1233	QT grooming PB.									
1240	QV playing with a toy.									
1242	QT self grooming.									
1245	PBTJ	QT	QV		C/29					
1246	QV playing alone (rotating).									
1255	QT playing with QV by biting.									AP
1257	QT grooming QV.									
1300	PBTJ	QT	QV		F/28	✓	AFR	PIT		
1315	PBTJ	QT	QV		〃	✓	〃	〃		
1330	PBTJ	QT	QV		〃	✓	CAF	YN		
1345	PBTJ	QT	QV		〃	✓	〃	〃		
1400	PBTJ	QT	QV		F/28	✓	〃	〃		
1413	QT grooming QV.									

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

SEACAS

DAY 31st MONTH 05 YEAR 09 OBSERVER Fm KJ 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						
1415	PB TJ	QT	QN		F/28	✓	AFR	pith		
1430	PB TJ	QT	QN		"	✓	ACN	YK		
1436	PB QT (QN) moved away taking different directions,									
	and we stayed with TJ.									
1445	TJ				F/28	✓	CAF	YK		
1500	TJ				"	✓	"	"		
1515	TJ				"	✓	CAF	YK		
1530	TJ				B2/26	✓	ACA	pith		
1545	TJ				"	✓	"	"		
1559	Heard distant calls from west of K14 and									
	TJ didn't respond.									
1600	TJ				T/24					
1605	TJ joined another party and pant grunted									PTG
	to KK who didn't respond.									
1606	KK grooming PG.									
1607	YB self grooming.									
1612	WH grooming TJ.									
1613	Hand clasp mutual groom									Hcg KK ⇆ PG
1614	Mutual groom but not hand clasp									KK ⇆ PG

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

T9 ① L2 ① **KPC Behavior**

DAY 31st MONTH 05 YEAR 09 OBSERVER SEAC FmKJAS 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						
1615	KK YB P9 TJ ST	WH LR T9	WC TT LO	NPTS	Q/23	✓	FNA	RF		
1615	WH grooming YB.									
1616	P9 grooming KK.									
1618	KK grooming P9.									
1619	P9 grooming KK.									
1623	WH grooming WC.									
1628	WH stopped grooming WC and picked a leaf which									TLU
	she groomed for 20 secs then groomed him again.									
1630	ST TJ YB P9 KK	WH LR T9	WC TT LO	NPTS	Q/23	✓	FNA	RF	RDT	
1636	LR grooming LO.									
1636	TJ climbed into FNA and joined TJ TT TS ST LR LO.									
1639	LR approached pant grunting and groomed TJ.									PTG
1645	ST TJ YB P9 KK	WH LR T9	WC LOTT	NPTS	Q/23	✓	FNA	RF	RDT	
1700	ST TJ YB P9 KK	WH LR T9	LOTT WC	NPTS	"	✓	"	"	"	
1705	It started raining and chimps did nothing.									RN
1715	ST TJ YB P9 KK	WH LR T9	LOTT WC	NPTS	Q/23				RDT	
1720	Chimps scattered during the rain and we									
	stayed with TJ T9 TTTS.									
1730	TJ	T9	TT	TS	Q/23				RDT	

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 31st MONTH 05 YEAR 09 OBSERVER FmKJ 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						
1745	TJ	TG	TT	TS	Q/23				RST	
1750	Chimps climbed down the feeding									
	tree and started moving.									
1752	TJ, then	TG TT TS eating black soil								
	from the roots of a fallen tree.									
1800	TJ	TG	TT	TS	Q/17					
1807	TG TT TS climbed into CAF but climbed									
	down before feeding and continued travelling.									
1815	TJ	TG	TT	TS	Q/11					
1816	TJ building a night nest, 8m high, DBH									
	23 cm (E), sp. Strombosia.									
1818	TG building a night nest, 10m high,									
	DBH 20 cm (E) sp. Uvariopsis.									
1830	TJ.	TG	TT	TS	Q/11					
1832	Obs leaving the nest site and									
	it was still raining.									

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