DAY 01 St MONTH 03 YEAR 09 OBS-PC Fm TMF/40 — HOW FOUND C

	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																																															
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8:15																																															
8:30	X				X		X		X																																X		N/25		FRR	RF
8:45	X				X		X		X																																X		"		"	"
9:00	X				X		X		X																																X		N/25		FRR	RF
9:15	X				X		X		X																						X			X	X					X		M/25		FNA	
9:30	X				X		X		X																						X			X	X					X					
9:45	X				X		X		X																						X			X	X					X					
10:00	X				X		X		X																						X			X	X					X					
10:15	X				X		X		X																						X			X	X					X					
10:30	X				X		X		X																						X			X	X					X					
10:45	X				X		X		X																						X			X	X					X					
11:00	X				X		X		X																						X			X	X					X					
11:15	X				X		X		X																						X			X	X					X					
11:30	X				X		X		X																						X			X	X					X					
11:45	X				X		X		X																						X			X	X					X					
12:00	X				X		X		X																						X			X	X					X					
12:15	X				X		X		X																						X			X	X					X					
12:30	X				X		X		X																						X			X	X					X					
12:45	X				X		X		X																						X			X	X					X		M/25		FNA	RF
	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					X		M/25		FNA	RF
13:15	X				X		X			X																					X			X	X					X				"	"
13:30	X				X		X			X																					X			X	X					X				—	—
13:45	X				X		X			X																					X			X	X					X			RDT	—	—
14:00	X				X		X																								X			X	X					X			"	—	—
14:15	X				X		X																								X			X	X					X			RDC	—	—
14:30	X				X		X																								X			X	X					X			RDT	—	—
14:45	X				X		X																								X			X	X					X				—	—
15:00	X				X		X																								X			X	X					X				—	—
15:15	X				X		X			X																					X			X	X					X				—	—
15:30	X				X		X			X																					X			X	X					X		M/25	RDT	—	—
15:45	X				X		X			X																		X			X			X	X					X		M/26		FRR	RF
16:00	X				X		X			X																		X			X			X	X					X		"		"	"
16:15	X				X		X			X																		X			X			X	X					X		M/25	RDC	—	—
16:30	X				X		X			X																		X			X			X	X					X		"	"	—	—
16:45	X				X		X			X																		X			X			X	X					X		"	"	—	—
17:00	X				X		X			X																		X			X			X	X					X		M/25	RDC	—	—
17:15	X				X		X			X																		X			X			X	X					X		M/26		FRR	RF
17:30	X				X		X			X																		X			X			X	X					X					
17:45	X				X		X			X																		X			X			X	X					X					
18:00	X				X		X			X																		X			X			X	X					X					
18:15	X				X		X			X																		X			X			X	X					X					
18:30	X				X		X			X																		X			X			X	X					X					
18:45	X				X		X			X																		X			X			X	X					X					
19:00	X				X		X			X																		X			X			X	X					X		M/26		FRR	RF
19:15																																															
19:30																																															
19:45																																															
20:00																																															
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	GRID	MNK	SP	PT
Health																																2															

COMMENTS LO was heard coughing. Chimps tried hunting RDC but lost interest.

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

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

KPC Behavior

DAY 01 MONTH 03 YEAR 09 OBSERVER FM 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
825	Obs found chimps in FBR at				Z/BFP		after a long rain.			
830	LKKM STAJ ES			EM	4	✓	FBR	RF		
845	LKKM STAJ ES			EM	4	✓	4	4		
858	KK ES EM	leaving the feeding tree.								
900	LKKM STAJ ES			EM	Z/BFP	✓	FBR	RF		
901	KK ES made vocal displays and buttress bangs									
	and others responded with pant hoots from FAST 07 K/14.									
902	The rests of the chimps leaving the feeding tree.									
903	ST then LKAJ made vocal displays and buttress									
	bangs and others responded with waa barks.									
905	AJ LKST made vocal displays and buttress bangs,									
	and others responded from a distance with waa barks.									
910	The party arrived at FNA, at				B/21		and joined			
	PG QT DV LR LO WL WC and all made pant hoots and food barks.									FBK.
915	LKKM STAJ PGES	QT LR WL	DV LO WC	EM	B/21	✓	FNA	RF		
930	LKKM STAJ PGES	QT LR WL	DV LO WC	EM	4	✓	4	4		
938	ES approached QT who pant barked then groomed him.									
945	LKKM STAJ PGES	QT LR WL	DV LO WC	EM	B/21	✓	FNA	RF		
1000	LKKM STAJ PGES	QT WL LR	WC LO DV	EM	11	✓	4	4		

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 01 MONTH 03 YEAR 09 OBSERVER Fm 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
1015	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	B/21	✓	FNA	RF		
1030	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	"	✓	"	"		
1037	Heard distant calls from East of K14 and									
	this party responded with pant hoots.									
1038	WL moved into an old nest.									
1045	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	B/21	✓	FNA	RF		
1100	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	"	✓	"	"		
1115	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	B/21	✓	FNA	RF		
1118	LR (LO) leaving the feeding tree and built a									
	day nest, 11m high, DBH 38 cm (E) sp. Bassama.									
1130	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	B/21	✓	FNA	RF		
1145	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU	"	✓	"	"		
1154	NP joined the party and no calls were made.									
1200	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU NP	B/21	✓	FNA	RF		
1209	LR made an arm threat and barked at NP									
	who ignored her.									
1215	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU NP	B/21	✓	FNA	RF		
1230	LKKK STAJ pg ES	WL LR QT	WC LO QV	EU NP	"	✓	"	"		
1231	WL (WC) leaving the day nest and moved back into FNA.									
1235	PG moved away and left the party.									

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 01 MONTH 03 YEAR 09 OBSERVER FM 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
1245	LK LK ST AJ ES	WL LR QT	WC LO QV	EU MP	B/21	✓	FNA	RF		
1300	LK LK ST AJ ES	WL LR QT	WC LO QV	EU MP	4	✓	4	4		
1307	QT moved to LR's day nest and she (LR) started									
	grooming her then QV played with LO by touching and swinging.									
1315	LK LK ST AJ ES	WL LR QT	WC LO QV	EU MP	B/21	✓	FNA	RF		
1326	Chimps leaving the feeding tree.									
1329	Hand clasp mutual groom									HCG AJ ⇆ LK
1330	LK LK ST AJ ES	WL LR QT	WC LO QV	EU MP	B/21					
1330	LK grooming ST and QT grooming ES.									
1331	Hand clasp mutual groom									HCG ES ⇆ QT
1332	LK grooming AJ and QT grooming ES.									
1332	Chain groom LR → LK → ST									
1334	LR grooming LK									
1335	ES grooming QT									
1338	AJ grooming LK.									
1342	Hand clasp mutual groom									HCG AJ → LK
1343	QT grooming ES.									
1344	AJ grooming LK.									
1345	LK LK ST AJ ES	WL LR QT	WC LO QV	EU MP	B/21				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 01 MONTH 03 YEAR 09 OBSERVER Fm 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						
1347	LR grooming LO.									
1347	mutual groom but not hand clasp.									AJ⇆KK
1348	KK grooming AJ.									
1349	LR playing with LO by touching.									
1350	AJ grooming KK and LK self grooming.									
1350	KK grooming ES.									
1400	LK KK STAJ ES	W LR RT	WC LO ON	EUNP	B/21				REST	
1400	KK self grooming.									
1401	KK grooming ST.									
1402	Chain grooming; LR→KK→ST.									
1403	LR stopped grooming KK and picked a leaf									TLU
	which he groomed for 10 secs then groomed KK again.									
1405	KK grooming LK.									
1408	Hand clasp mutual groom									HCG LK⇆KK
1410	LK grooming KK.									
1413	KK grooming LK.									
1414	Mutual groom but not hand clasp									LK⇆KK
1415	LK KK STAJ ES	W LR RT	WC LO ON	EUNP	B/21				REST	
1415	LO was heard coughing.									

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 01 MONTH 03 YEAR 09 OBSERVER Fm 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						
1416	Hand clasp mutual groom									Hcg LR⇆KK.
1417	LK grooming KK.									
1419	AJ grooming LK.									
1420	Hand clasp mutual groom									Hcg AJ⇆LK
1421	LK grooming AJ									
1423	AJ grooming LK.									
1429	LK grooming AJ, KK grooming ST and LR grooming LO.									
1430	LKKK ST AJ ES	WLLR OT	WCLO DN	EUNP	B/21				RDT	
1432	Hand clasp mutual groom									Hcg KK⇆LR
1433	KK grooming LR and AJ grooming LK.									
1435	Hand clasp mutual groom									Hcg LK⇆AJ
1436	LK grooming AJ.									
1437	AJ grooming LK and NP self grooming.									
1439	KK grooming NP.									
1441	ST grooming KK and LK grooming AJ									
1445	LKKK ST AJ ES	WLLR OT	WCLO OT	EUNP	B/21				RDT	
1445	AJ grooming LK.									
1447	Hand clasp mutual groom									Hcg AJ⇆LK
1447	KK grooming ST.									

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 01 MONTH 03 YEAR 09 OBSERVER FM 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						
1451	LK Self grooming.									
1452	AJ grooming LK and NP Self grooming.									
1500	LKKK STES AJ	OT WLLR	WCLO BN	EUNP	B/21				RST	
1503	Hand clasp mutual groom									HCG KK ⇆ ST
1504	Chain grooming		LK → ST → KK.							
1504	Jk started raining.									RN
1507	Some JBs made vocal rain displays and others									RD
	fled pant barking.									
1510	Chimps making rain displays in poor view.									RD.
1515	LKKK STES AJ	OT WLLR	WCLO BN	EUNP	B/21				RST	
1523	Someone made vocal displays and others fled									RN
	wer barking.									
1530	LKKK STES AJ	OT WLLR	WCLO BN	EUNP	B/21				RST	
1543	The party joined PB AL AZ AT PB at			FCP	B/27	and				
	made pant hoots.									
1545	LKKK STES PB AJ PB	OT AL WLLR	AT AZ WCLO BN	EUNP	B/27	✓	FCP	RF		
1556	Chimps leaving the feeding tree.									
1600	LKKK STES PB AJ PB	OT AL WLLR	AT AZ WCLO BN	EUNP	B/27	✓	FCP	RF		
1603	AJ made vocal displays and buttress bangs, and									
	Others pant hooted.									

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

1547 Jk stopped raining.

KPC Behavior

DAY 01 MONTH 03 YEAR 09 OBSERVER Fm 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
1605	Chimps changed direction and moved towards									
	RDC monkeys making food barks.									FBK.
1610	AJ KK climbed to the RDCs and they ran									
	around making alarm calls.									
1613	AJ chased the monkeys and someone made									
	hunt barks, then two adult male RDC came and									
	blocked AJ who sat and looked at them.									
1615	KKKK ST AJ PG PB ES	RT AL WL LR	AT AZ WC LO RV	EU NP	4/26				RDC	
1616	Chimps lost interest and let the monkeys go.									
	The IDs in trees are KK AJ WR				WC	RT	RV	AL	AZ AT.	
1630	KKKK ST AJ PG PB ES	RT AL WL LR	AT AZ WC LO RV	EU NP	4/26				RDC	
1645	KKKK ST AJ PG PB ES	RT AL WL LR	AT AZ WC LO RV	EU NP	4				4	
1700	KKKK ST AJ PG PB ES	RT AL WL LR	AT AZ WC LO RV	EU NP	4				4	
1705	Chimps climbed down and started moving.									
1713	Chimps climbed back into FCP at				B/27		while			
	Others climbed into CAF.									
1715	KK KK PG PB ES AJ ST	RT AL WL LR	AT AZ WC LO RV	EU NP	B/27	✓	FCP	RF		
1730	KK KK PG PB ST AJ ES	RT AL WL LR	AT AZ WC LO RV	EU NP	4	✓	4	4		
1745	KKKK PG PB ST AJ ES	RT AL WL LR	AT AZ WC LO RV	EU NP	B/27	✓	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

KPC Behavior

DAY 01 MONTH 03 YEAR 09 OBSERVER Fm 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
1800	LKKK PGPB STAJ ES	QTAL WLLR	ATAZ WCLO QN	EUNP	B/27	✓	FCP	RF		
1815	LKKK PGPB STAJ ES	QTAL WLLR	ATAZ WCLO QN	EUNP	"	✓	"	"		
1830	LKKK PGPB STAJ ES	QTAL WLLR	ATAZ WCLO QN	EUNP	B/27	✓	"	"		
1838	LR (LO) moved into an old night nest in CAF, 24m									
	high DBH 48 cm (E).			EUNP						
1845	LKKK PGPB STAJ ES	QTAL WLLR	ATAZ WCLO QN	EUNP	B/27	✓	FCP	RF		
1900	LKKK PGPB STAJ ES	QTAL WLLR	ATAZ WCLO QN	EUNP	"	✓	"	"		
1903	Obs leaving the nest site and other chimps									
	were still feeding.									

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