DAY 19th MONTH June YEAR 09 OBS-PC SM TMF/40 MK AS SJ KJ TW 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	OL	GRID	MNK	SP	PT
Estrus													1						1												1				1		3										
5:45																																															
6:00																																															
6:15																																															
6:30																																															
6:45																																															
7:00												X	X	X	X				X	X	X	X																			X			M/26	*	FNA	RF
7:15												X	X	X	X				X	X	X	X																			X				*		
7:30									X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X		X				*		
7:45									X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X		X				*		
8:00									X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X		X				*		
8:15				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*		
8:30				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*		
8:45				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*		
9:00				X			X	X	X		X	X	X	X	X				X	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			X	X	X	X	X	X				*		
9:30				X			X	X	X		X	X	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			X	X	X	X	X	X				*		
10:00				X			X	X	X		X	X	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			X	X	X	X	X	X				*		
10:30				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*		
10:45				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*	X	X
11:00				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*	FNA	RF
11:15				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*	—	—
11:30				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*	—	—
11:45				X			X	X	X		X	X	X	X	X				X	X	X	X									X	X			X	X	X	X	X	X				*	—	—
12:00				X			X	X	X																														X				None	—	—
12:15				X			X	X	X																														X					—	—
12:30				X			X	X	X																														X					—	—
12:45				X			X	X	X																														X			M/26	None	—	—
	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	OL	GRID	MNK	SP	PT
13:00				X			X	X	X																														X			M/26	NONE	—	—
13:15				X			X	X	X																														X					—	—
13:30				X			X	X	X																														X					—	—
13:45				X			X	X	X																														X					—	—
14:00				X			X	X	X																														X					—	—
14:15				X			X	X																																				—	—
14:30				X			X	X																																				CAF	YL
14:45				X			X	X																																					
15:00				X			X	X																																					
15:15				X			X	X																																				↓	↓
15:30				X			X	X																																		M/26		CAF	YL
15:45				X			X	X																																		M/27		THV	
16:00				X			X	X																																				AFR	PITH
16:15				X			X	X																																				CAF	YL
16:30				X			X	X																																				"	"
16:45				X			X	X																																				"	"
17:00				X			X	X																																				THV	
17:15				X			X	X																																					
17:30				X			X	X																																					
17:45				X			X	X																																				↓	↓
18:00				X			X	X																																		M/27	None	THV	
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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	OL	GRID	MNK	SP	PT
Health				1			1	2	1		1	1	1	1	1				1	1	1	1									1	1			1	1	1	1		1							

COMMENTS P9 have wet cough, MGB, BLU, RDT from 700–1145.

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

BL (1) OU (1) OT (1) WL (1) **KPC Behavior** QT (1) LR (1) BU (1) RD (3)

DAY 19th MONTH June YEAR 09 OBSERVER TWICMKAS SMSJKJ 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
650	OBs arrived at the nest site found climps had already									
	unnested Some ID's moved away but Others were									
	Still around feeding in FNA tree at C/23									
700	TJ	OU BL BU OT	BO OG	OL NP OM	C/23	✓	FNA	RF	MGB BW RBT	
715	TJ	OU BL BU OT	BO OG	OL NP OM	"	✓	"	"	"	
726	PG PB and WL QT LR with their families joined									
	the party but no calls made.									
730	PB PG TJ	OU OT BL BU WL BT LR	BV LO OG BO WE	OL NP OM	C/23	✓	FNA	RF	MGB BW RBT	
730	WL made vocal displays and PG chassed her									
	in a feeding tree She fled Screaming									
731	PG made non vocal displays and chassed TJ									
	Who fled Screaming									
744	Someone was chassed in a poor view who fled screaming, Others made wear barks									
745	PG TJ PB	OU BL LR OT BU BT WL	WE OG BV LO BO	NP OM OL	C/23	✓	FNA	RF	MGB BW RBT	
751	PG approached LR who pant grunted to him then									PTG
	LR groomed PG									
800	PG TJ PB	OU BL OT BU LR BT WL	WE OG BV LO BO	NP OM OL	C/23	✓	FNA	RF	MGB BW RBT	
807	RD joined the party but no calls made.									
808	QT chassed RD who fled screaming Others Made wear barks									
811	Heard distant calls from east of this party responded with pant hoots						K	14		

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 June YEAR 09 OBSERVER IC TWMK AS SMS TKJ 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
812	WL made	waa barks and		chased	RD	Who				
	fled screaming and	PB	TJ	intervened	making					
	non vocal displays	against	WK	and TJ	chased	her	Who			
	fled screaming	Others	made	waas						
814	WK made	screams and		chased	TJ	who	fled			
	making	non vocal displays	and	PB	intervened					
	making	non vocal displays	and	chased	WK	who				
	fled screaming									
815	KK WK YB	joined the party and		KK	made	aaa				
	vocal displays and	buttress	bungs	Others	made	pant barks				
815	PG PB YB TJ KK WK	BL BU OL LR OT O'WK RD	BV BO OG WC LO	NP OL OM	C/23	✓	FNA	RF	MGR RDT BM	
819	KK made	non vocal displays		and	chased	PG				
	who fled	screaming,	Others	made	pant	barks				
830	KK PG YB PB TJ WK	BL BU OL LR OT O'WK RD	BV BO OG WC LO	NP OL OM	C/23	✓	FNA	RF	MGR RDT BM	
845	KK PG YB PB TJ WK	BL BU OL LR OT O'WK RD	BV BO OG WC LO	NP OL OM	"	✓	"	"	"	
900	KK PG YB PB TJ WK	BL BU OL LR OT O'WK RD	BV BO OG WC LO	NP OL OM	"	✓	"	"	"	
903	BU leaving the	feeding	tree	at	same	time	She			
	build aday nest and	rest	tree =	DUSP	HT = 22	m	high			
915	KK PG YB PB TJ WK	BL BU OL LR OT O'WK RD	BV BO OG WC LO	NP OL OM	C/23	✓	FNA	RF	MGR RDT BM	
922	WK (WE) leaving a feeding	Free at	same	time	She build	aday nest and rest	tree =	UVA	HT = 10	m high

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 June YEAR 09 OBSERVER TWMKAS SMSTKJIC 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
930	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO QV OG WC LO	NP OL OM	C/23	✓	FNA	RF	MgB RDT BM	
945	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO WC QV OG LO	NP OL OM	"	✓	"	"	"	
1000	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO WC QV OG LO	NP OL OM	"	✓	"	"	"	
1015	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO WC QV OG LO	NP OL OM	"	✓	"	"	"	
1030	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO WC QV OG LO	NP OL OM	"	✓	"	"	"	
1045	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO WC QV OG LO	NP OL OM	"	✓	"	"	"	
1100	KK PG YB PB TJ LK	BL BU OU OT WL QT LR RD	BO WC QV OG LO	NP OL OM	"	✓	"	"	"	
1101	OU approach Pant grunting to PB and presented to him									PTG
	he Inspected her by touch on estrous									
1105	Chimps leaving the feeding tree and moving									
	on ground									
1107	PB made non vocal displays and stapping									
	the ground others made waars									
1111	OG grooming NP and OU grooming OT									
1111	Chain groom BL → BU → BO									
1113	OU grooming WL									
1114	WL grooming OU									
1115	KK PB YB PG TJ LK	WL BL OU BU OT QT LR RD	OG QV WC BO LO	NP OL OM	C/23				MgB RDT BM	
1116	chain groom OG → WL → OU									
1119	OT playing with OG by tickling each other									AP

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 June YEAR 09 OBSERVER TW/CMKAS SMSJ KJ 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
1121	PB made non vocal displays and attack (1) to									
	QT with kicks who fled screaming PB followed									
	chassing her then pg intervened made non vocal displays									
	and stapping the ground WL fled pant									
	barking climbing atree og OT OU also fled silent									
	but og OT climbed tree's.									
1128	Chain groom									
1130	KK YB pg LK TJ PB	LR BU BL OU OT WL QT RD	QV BO LO og WC	NP OLOM	C/23				MgB BU RDT	
1131	BO playing with OT by wrestling and make soft bites each									AP
	other									
1135	Hand clasp mutual groom LR ←→ PB									Hcg
1135	KK made non vocal displays PB approach him pant									
	barking and WL with others also fled									
	pant barking									
1138	LR grooming WL									
1140	KK grooming YB									
1145	KK YB PB LK pg TJ	LR BU BL OU OT WL QT RD	og WC QV BO LO	NP OLOM	D/GLT				RDT BU MgB	
1145	YB grooming himself									
1147	YB grooming LR and LK grooming KK									
1148	LR grooming YB									

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 June YEAR 09 OBSERVER LC TW MK AS SM SJ KJ 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
1150	Hand clasp mutual groom LR				←→		YB			HCg
1150	YB groomed LR after hand clasp									
1159	Some individuals separated and moved away									
	TW and AS followed them									
1200	KK LK YB PG	RD			D/GLT				Ø	
1215	KK LK YB PG	RD			n				Ø	
1228	KK grooming LK									
1229	LK grooming KK									
1230	KK LK YB PG	RD			D/GLT				Ø	
1233	YB grooming himself									
1238	YB grooming KK									
1245	KK LK YB PG	RD			D/GLT				Ø	
1248	YB grooming LK									
1251	Hand clasp mutual groom				LK ←→ YB					HCg
1251	YB groomed LK after hand clasp									
1300	KK LK YB PG	RD			D/GLT				Ø	
1315	KK LK YB PG	RD			n				Ø	
1327	PG was heard coughing (wet cough)									
1330	KK PG YB LK	RD			D/GLT				Ø	
1335	KK grooming LK									

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 June YEAR 09 OBSERVER MK 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
1338	LK grooming KK									
1345	KK YB LK PG	PD			D/GLT				Ø	
1346	KK grooming LK									
1347	Hand clasp mutual groom				LK	<->		KK		Hcg
1348	LK groomed KK after hand clasp									
1350	KK grooming LK									
1351	LK grooming KK									
1353	Hand Clasp mutual groom				LK	<->		KK		Hcg
1354	KK groomed LK after hand clasp									
1358	Chimpssst									
1359	LK grooming YB									
1400	LK YB KK	PD			D/GLT				Ø	
1403	YB groomed LK shortly									
1404	LK grooming YB									
1405	YB grooming LK									
1406	Hand clasp mutual groom				YB	<->		LK		Hcg
1407	Mutual groom after hand clasp				YB	<->		LK		
1408	YB groomed LK after mutual									
1409	LK grooming YB									
1414	YB feeding on Brown soil from roots of a fallen tree									

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

1410 PG and RD left the party and moved away

KPC Behavior

DAY 19th MONTH June YEAR 09 OBSERVER MK SM STJC 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	YB LK KK				J/GLJ				Ø	
1419	Chimps made pant hoots and climbed into									CAF
	tree then started feeding on young leaves									
1430	YB LK KK				J/GLJ	✓	CAF	YL	Ø	
1445	YB LK KK				"	✓	"	"	Ø	
1500	YB LK KK				"	✓	"	"	Ø	
1515	YB LK KK				"	✓	"	"	Ø	
1517	KK leaving the feeding tree									
1521	LK leaving the feeding tree									
1530	YB LK KK				J/GLJ	✓	CAF	YL	Ø	
1536	YB climbed down on ground						all chimps and moving			
1543	Chimps entered into THV and started feeding									
1545	LK KK YB				S/28	✓	THV		Ø	
1600	LK KK YB				"	✓	AFR	PITH	Ø	
1615	LK KK YB				"	✓	CAF THV	YL	Ø	
1630	LK KK YB				"	✓	CAF	YL	"	
1645	LK KK YB				"	✓	"	"	Ø	
1700	LK KK YB				"	✓	THV		Ø	
1715	LK KK YB				G/S	✓	"		Ø	
1730	LK KK YB				"	✓	"		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 19th MONTH June YEAR 09 OBSERVER SMSJ 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
1742	LK entered into old nest and				Improving it					
	then rest tree = AL bizia HT =				6m	high	DBH =	14cm		
1745	YB LK LK				G/S	~	THV		Ø	
1749	KK build aright nest and rest, tree = AL bizia									
	HT = 9m high DBH = 17cm									
1800	YB LK KK				G/S	~	THV		Ø	
1810	OBS leaving the nest site.									

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