Column headers (Party Composition): 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 JE O | GRID | MNK | SP | PT

Estrus markers along top row.

Time	GRID	MNK	SP	PT
7:00	M/25	RDT	FDA	RF
8:00			RDT	
9:00	M/25		FDA	RF
9:15	L/25		—	—
9:30			FNA	RF
9:45			"	"
10:00			FNA	RF
10:15			—	—
10:30			—	—
10:45			—	—
11:00			—	—
11:15			THV	THV
11:30			CAF	YL
11:45			"	"
12:00		BWC	"	"
12:15		"	CAF	YL
12:30	L/25	BWC	THV	THV
12:45	K/25		UTm	FL
13:00	K/25		UTm	FL
13:15			"	"
13:30			UTm	FL
13:45			—	—
14:00			—	—
14:15			—	—
14:30			—	—
14:45			UTm	FL
15:00			THV	THV
15:15			"	"
15:30			THV	THV
15:45			UVA	RF
16:00			THV	THV
17:15			THV	THV
17:30			UTm	FL
17:45			THV	THV
18:00			"	"
18:15			THV	THV
18:30	K/25		—	—

Time rows run from 5:45 to 20:30 in 15-minute intervals. Party composition grid marked with X present.

Health row values (bottom): 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 (various 1's and 2's)

COMMENTS: BO was heard coughing and sneezing while BO was just coughing.

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

KPC Behavior

DAY __14th__ MONTH __06__ YEAR __09__ OBSERVER __FmAS__   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						
6⁴⁰	Obs arrived at the nest site and									
	found chimps had left the nests and gone.									
6⁵⁷	Obs found chimps feeding on FDA at T/24									
7⁰⁰	PB	BT AL	BN AT AZ	IF	T/24	✓	FDA	RF	RDT	
7¹⁴	LR joined the party and no calls were made.									
7¹⁵	PB	BT LR AL	AT BN LR AZ	IF	T/24	✓	FDA	RF	RDT	
7²²	Heard distant calls from south and west									
	of K14 and this party responded with pant hoots.									
7²⁵	KN LN joined the party making vocal displays									
	(joints) and buttress bings as the party pant hooted.									
	PB climbed down pant barking to meet them.									
7²⁶	KN LN made joint vocal displays and KN made									
	buttress bings then PB fled pant barking.									
7²⁷	KN made non vocal displays in the feeding									
	tree and BT AT fled pant barking.									
7³⁰	LN KN PB	BT LR AL	AT LR BN AZ	IF	T/24	✓	FDA	RF	RDT	
7⁴¹	BN BO NP joined the party and there was									
	alot of pant barks.									
7⁴⁵	LN KN PB	BN LR BT AL	BO AT LR BN AZ	NP IF	T/24	✓	FDA	RF	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

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
800	LKKK PB	BL LR QT AV	BOAT AN LO AZ	NPIF	T/24	✓	FDA RF	RF		RST
808	LR chased BL BO who ran out of the feeding									
	tree screaming and warbarking.									
809	BO was heard coughing. (Productive).									
811	BO was heard sneezing.									
815	LKKK PB	BL LR QT AV	BOAT AZ LO AV	NPIF	T/24	✓	FDA RF			
830	LKKK PB	BL LR QT AV	BOAT AZ LO AV	NPIF	"	✓	"	"		
845	LKKK PB	BL LR QT AV	BOAT AZ LO AV	NPIF	"	✓	"	"		
854	KK then LR leaving the feeding tree.									
856	KK climbed into FCp.									
858	KK made vocal displays and buttress bangs									
	and KK with some others made warbarks, then									
	others responded from a distance.									
859	KK leaving the FCp.									
900	KK made vocal displays and buttress bangs,									
	and LR made warbarks.									
900	LKKK PB	BL LR QT AV	BOAT AZ LO AV	NPIF	T/24	✓	FDA RF			
904	QT (AV) NP leaving the feeding tree.									
911	The rest of the chimps climbed down the feeding									
	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

DAY **14th** MONTH **06** YEAR **09** OBSERVER **Fm As** 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						
915	LKLK PB	BLLP QTAL	BOAT LOAZ DN	NPIF	T/26					
919	PB feeding on MED wood.									
920	Chimps climbed into FNA at T/27 and joined YB with OU's family and all made pant hoots and barks.									
930	LKLK YB PB	OT BLLP QTAL OU	AZ BOAT LO 09 DN	OMOL NPIF	T/27	✓	FNA RF			
941	ST TJ joined the party and LK LK climbed down making non vocal displays as the others pant barked. ST TJ made vocal displays.									
942	LK made attack one to LK by kicking and he screamed but didn't avoid.									
943	LK made non vocal displays to LK who fled into the tree screaming.									
944	LK made non vocal displays to LK who casually and silently avoided.									
944	QT approached TJ extending a hand and he bite her softly. She presented and he inspected her by touching on the Estrous and smelling on the fingers and she started grooming him.									
945	LKLK YB PB ST TJ	BLLP QTAL OU OT	BOAT ATLO9 DN	OMOL NPIF	T/27	✓	FNA 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 __14th__ MONTH __06__ YEAR __09__ OBSERVER __Fm KJ Jm__ Found: (C) FT FFT N Other_____

Rm AS

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (Include estrous)	JMM	JFF (Juveniles and Infants)						
945	LK approached KK pant grunting and groomed him									PTG
946	PB approached pant grunting to LK KK but they ignored.									PTG
948	BO playing with Om by swinging and biting.									
950	BO playing with AT and Og by chasing and wrestling.									
1000	LK KK STMB PB TJ	BH LR DT AH OU OT	ON BO AT AZ LO 09	OM ON MP IF	T/27	✓	FNA RF			
1008	TJ made non vocal displays to AT who chased him while warbarking and he fled silently. Immediately every one left the tree and rested on the ground.									
1015	LK KK STMB PB TJ	BH LR DT AH OU OT	ON BO AT AZ LO 09	OM ON MP IF	T/27					
1020	Om playing with OU by touching.									
1021	OU grooming KK and LK grooming YB.									
1024	YB grooming LK.									
1024	LR playing with Om by touching.									AP
1025	LR picked a leaf and groomed it for 8 secs then played with Om again.									TLU
1026	Om grooming OU and LK grooming YB.									
1027	OU grooming Om.									
1027	KK playing with LO by touching.									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 14th MONTH 06 YEAR 09 OBSERVER Fm KJ Jm RmAS 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						
1025	Om playing with LO by touching.									
1029	YB grooming LK.									
1030	LKKK ST YB PBTJ	BLLR QT AL QUOT	BOAT AZ 09 LOQV	IF OmoL NP	T/27					
1031	LK grooming YB.									
1035	YB grooming LK.									
1037	Hand clasp mutual groom									HCG LK↔YB
1037	LO playing with a toy (stick). 31cm x 0.8cm.									
1038	YB grooming LK.									
1041	Mutual groom but not hand clasp									LK↔YB.
1045	LKKK ST YB PBTJ	BLLR QT AL QUOT	BOAT AZ 09 LOQV OmoL	MPIF	T/27					
1048	LK grooming YB.									
1048	KK self grooming.									
1050	LR approached KK pant grunting and groomed him.									PTG
1052	KK grooming YB.									
1052	LO playing alone by swinging.									
1100	LKKK ST YB PBTJ	BLLR QT AL QUOT	BOAT AZ 09 LOQV OmoL	MPIF	T/27					
1113	LR grooming LK.									
1114	QT approached KK pant grunting but he ignored.									PTG
1115	Hand clasp mutual groom									HCG LK↔LR

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

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH CODE |
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1115	LKKK YBST PBTJ	DUOT BLLR QTAL	BOAZ AT O9 LOON	IF OMOL NP	T/28		✓ THV	THV		
1116	LR grooming LR.									
1119	LR self grooming.									
1130	LKKK YBST PBTJ	DUOT BLLR QTAL	BOAZ ON AT09 LO	IF OMOL NP	T/28		✓ CAF	YW		
1139	LR self grooming.									
1145	LKKK YBST PBTJ	DUOT BLLR QTAL ON	BOAZ AT09 LO	OMOL NPIF	T/28		✓ CAF	YW		
1153	KK made non vocal displays, chasing and made attack one to BR by kicking and she fled screaming.									
1156	Hand clasp mutual groom									HCG PB↔LR
1157	LO was heard coughing.									
1157	LR grooming PB.									
1159	PB inspected LR by touching and smelling on the Estrous then groomed her.									
1200	LR approached pant-grunting and groomed TJ.									
1200	LKKK YBST PBTJ	DUOT BLLR QTAL ON	BOAZ AT09 LO	OMOL MPIF	T/28		✓ CAF	YW	BWC	
1202	Chain groom QT → LR → TJ.									
1203	QT grooming PB.									
1205	PB grooming TJ.									

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 14th MONTH 06 YEAR 09 OBSERVER Fmk JJm Found: (C) FT FFT N Other_____
RM AS

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH CODE |
	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF						
1215	LKK STMB PBTJ	BL LAL QTQT DUOT	BOAZ DV LO DGAT	OmOL MPIF	1/28	✓	CAF	4L	BWc	
1228	LR Self grooming.									
1230	LKK STMB PBTJ	BL LAL QTQT DUOT	BOAZ DV LO DGAT	OmOL MPIF	28 /AT		✓	THV	THV	BWc	
1233	QT approached TJ pant grunting but he ignored.									PTG
1236	PB grooming TJ.									
1242	QT self grooming.									
1244	LO playing with DV by wrestling.									
1245	PBTJ	LR QT	LO DV		28 /CR	✓	UTM	FL		
1300	PBTJ	LR QT	LO DV		"	✓	"	"		
1315	PBTJ	LR QT	LO DV		"	✓	UTM	FL		
1318	LR approached PB pant grunting and groomed him.									PTG
1330	PBTJ	LR QT	LO DV		28 /CR	✓	UTM	FL		
1333	QT. approached PB pant grunting but he ignored.									PTG
1336	LR made a ground nest and rested.									
1345	PB	LR QT	LO DV		28 /CR					
1400	PB	LR QT	LO DV		"					
1415	PB	LR QT	LO DV		"					
1430	PB	LR QT	LO DV		28 /CR					
1442	LR playing with LO by biting.									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

1240 chimps separated and I followed PBTJ LRLO QTQV.
1337 TJ disappeared and left the party.

KPC Behavior

DAY 14th MONTH 06 YEAR 09 OBSERVER 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						
1445	PB	LR QT	LO QV		28/CR	✓	UTM	FW		
1500	PB	LR QT	LO QV		25/SB	✓	THV	THV		
1515	PB	LR QT	LO QV		"	✓	"	"		
1530	PB	LR QT	LO QV		"	✓	"	"		
1536	Chimps moved out of THV.									
1537	LR QT climbed into UVA.									
1545	PB	LR QT	LO QV		28/CR	✓	UVA	RF		
1600	PB	QUAN LR QT OT	ATAZ LO QV 09	Omol IF	"		THV	THV		
1613	Heard distant calls from North of K15									
	and this party didn't respond.									
1614	LR grooming LO.									
1615	PB	QUAN LR QT OT	ATAZ09 LO QV	Omol IF	28/CR	✓	THV	THV		
1630	PB	QUAN LR QT OT	ATAZ09 LO QV	Omol IF	"	✓	"	"		
1645	PB	QUAN LR QT OT	ATAZ09 LO QV	Omol IF	"	✓	"	"		
1646	AT grooming OU.									
1648	AT inspected OU by smelling OU the Estrous.									
1700	PB	QUAN LR QT OT	ATAZ09 LO QV	Omol IF	28/CR	✓	THV	THV		
1707	Chimps scattered and others moved away.									
1715		QUAN QT	ATAZ09	Omol IF	28/CR	✓	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

1550 OU AL families joined the party and no calls were made.

KPC Behavior

DAY 14th MONTH 06 YEAR 09 OBSERVER Fm KJAs 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						
1730		OUAL OT	ATAZ09	Omol LF	28 /CR	✓	UTm	FL		
1745		OUAL OT	ATAZ09	Omol LF	n		THV	THV		
1753	AL building a night nest, 25m high DBH? sp. Albizzia.									
1756	AZ building a night nest, 24m high, DBH 56cm (E) sp. Albizzia									
1759	AL building a night nest, 24m high, DBH? sp. Albizzia.									
1800		OUAL OT	ATAZ09	Omol LF	28 /CR		THV	THV		
1815		OUAL OT	ATAZ09	Omol LF	n		n	n		
1822	Om moved into an old nest and started Improving it. 35m high, DBH 80cm (E) sp. Olea.									
1826	OT building a night nest, 17m high DBH? sp. Albizzia.									
1830		OUAL OT	ATAZ09	Omol LF	28 /CR					
1832	Obs leaving the nest site and it was about to rain.									

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