Estrus (top marks)

Column headers: 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

Time	GRID	MNK	SP	PT
5:45				
6:00				
6:15				
6:30				
6:45				
7:00				
7:15				
7:30	K/24	RDT	FCx	RF
7:45			FCx	RF
8:00	↓	"	FCx	RF
8:15	K/24			
8:30	L/24		FNA	RF
8:45	L/25			
9:00	M/25		FNA	RF
9:15				
9:30		"	—	—
9:45		"	—	—
10:00		"	—	—
10:15		"	—	—
10:30		"	—	—
10:45	M/25	↓	—	—
11:00	M/26	MGB	FNA	RF
11:15		"		
11:30		"		
11:45		"		
12:00		"		
12:15		"		
12:30		"	↓	↓
12:45		"	FNA	RF
	↓			
13:00	M/26	MGB	THU	THU
13:15	L/26			
13:30				
13:45				
14:00				
14:15				
14:30		BWC		
14:45		"		↓
15:00		"	THU	THU
15:15		"		
15:30		"	—	—
15:45	↓	"	—	—
16:00	L/26	"	—	—
16:15	L/27	RDC	—	—
16:30	M/27		THU	THU
16:45				
17:00				
17:15				
17:30				
17:45	↓			
18:00	M/27			
18:15	N/27			
18:30	N/27			
18:45	N/27		THU	THU
19:00				
19:15				
19:30				
19:45				
20:00				
20:15				
20:30				

Health

COMMENTS: No GPS notes - I didn't have the GPS when collecting data.

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 WL① QT① LR①

Time	Party Composition				Loc	F	SP	PT	MNK	BEH CODE
	AMM	AFF (include estrous)	JMM (Juveniles and Infants)	JFF						
718	KJ found chimps by calls at H1900, the individuals									
	found are LK, PG, TJ, NP and WL QT LR families.									
721	LK grooming PG									
726	PG grooming LK									
727	QT was chased by TJ in the feeding tree (Fx)			QT						
	fled screaming.									
730	LK PG TJ	WL QT LR	WC QV LO	NP	H/1000	✓	FEX	RF	RDT	
731	LK grooming PG									
733	Hand clasp mutual groom LK↔PG									HCG
735	LK grooming PG after hand clasp									
738	PG grooming LK									
742	LK grooming PG									
743	mutual groom but not hand clasp PG↔LK									
745	LK PG TJ	WL QT LR	WC QV LO	NP	H/1000	✓	FEX	RF	RDT	
750	LK grooming PG									
800	LK PG TJ	WL QT LR	WC QV LO	NP	H/1000	✓	FEX	RF	RDT	
805	LK and PG made joint vocal displays TJ WL & QT									
	made waas and pant hoots.									
806	LK and PG made joint vocal displays WL & QT made									
	pant hoots the heard distant calls from the east of									the location.

KPC Behavior

DAY **24** MONTH **MAY** YEAR **2009** OBSERVER **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						
807	TJ WL(WC) and OT@ coming down from FEX.									
812	LK PG & TJ moved away leaving WL(WC) LR(LO) OT									
	and NP.									
815		WL OT LR	WC OU LO	NP	F Tono					Ø
822	WL, OT, LR families and NP joined on family at									
	27WST feeding on FNA.									
826	Heard distant calls from the east of the location,									
	this party responded with pant hoots the other									
	calls were heard from the north west.									
830		WL OT OU LR	WC OU LO OG	NP OT OM OL	27 WST	FNA	RF			♂
831	PB joined the party making non vocal displays									
	and slapping the ground, the party responded with									
	both pant barks and pant hoots.									
832	OT made attack ① on OG by a kick, OG made screams									
	then OT made non vocal displays towards OT who									
	ignored her which forced OU to intervene by									
	making vocal displays wear barking, OT fled									
	screaming. Others made waars.									
837	chimps coming down from FNA and started									
	moving.									

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 24th MONTH MAY YEAR 2009 OBSERVER KJ   Found: (C) FT FFT N Other_____   BL ①

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH CODE
845	PB	QTWL LROU	QVWC LOOG	NPOT OMGL	T/26					Ø
850	chimps joined BL and Bo at T/24 who were feeding on FDA, PB made vocal displays and buttress bung. others made pant hoots. BL and Bo mad pant barks. OU went missing									
900	PB	QTWL LRBL	QVWC LOBO	NP	T/24	✓	FDA	RF	MGB BLU	
906	some one chased Bo and he fled screaming. others did not respond.									
915	PB	QTWL LRBL	QVWC BOLO	NP						
920	KK ST and YB joined the party but did not climb into the feeding tree. The party made pant barks.									
921	KK and YB are both grooming ST.									
922	BL approached PB pant grunting and presented before him. he groomed her.									
924	chimp left the feeding tree and moved towards the males (ST, KK & YB).									
924	BL Bo LR Ⓓ approached KK ST YB pant barks and they ignored them.									

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 **24** MONTH **MAY** YEAR **2009** OBSERVER **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						
924	chain groom KK → ST → YB.									
925	Hand clasp mutual groom LR ← ST									HCG
926	KK made <u>non vocal displays</u> and made <u>attack</u> two on BL by kicks and slaps then joined by ST and YB who also slaped and kicked her BL did non <u>avoid</u> but made <u>screams</u>. Then YB turned to LR and made <u>attack one</u> on her by aKICK, LR <u>fled screaming</u>. others made pant barks.									
927	BL presented to KK making <u>pant grunting</u> KK inspected her by smelling on the estrous.									PTG
928	WL grooming WC.									
930	YB KK ST PB	WL WC LR BL	WC QV BO LO	NP	T / 24				MGB BLU	
931	BL grooming Bo									
932	BL made <u>pant grunts</u> to ST and he ignored her									PTG
934	KK grooming ST.									
"	BL grooming Bo.									
936	Hand clasp mutual groom ST ← KK									HCG
938	BL grooming YB.									
"	Both KK and LR are 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 24th MONTH MAY YEAR 2009 OBSERVER 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
939	chain groom LR→ST→YB									
"	Hand clasp mutual groom LR→PB									HCG
940	chain groom KK→ST→YB									
"	LR grooming PB									
941	ST grooming BL									
"	CT approached KK pant grunting and groomed him									PTG
942	PB grooming CT as CV making pant grunts to PB									
"	WL approached KK pant grunting and groomed him									PTG
"	Both YB and ST are grooming BL									
943	NP self grooming									
"	Bo playing with CV by touching one another									
"	CT grooming PB									
944	ST grooming YB as BL grooms Bo									
945	KK ST YB PB	WL CT BL LR	WC CV Bo Lo	NP	I 24				MGB Blu	
946	chain groom YB→ST→BL→Bo									
948	LR grooming Lo as Bo grooms BL									
"	CT grooming CV									
949	Bo approached WC and initiated playing with him by touching									

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 24th MONTH MAY YEAR 2009 OBSERVER 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						
950	KK grooming ST									
953	ST grooming BL									
957	BOth KK and ST grooming YB									
1000	YB KK ST PB	WL OT BL LR	WC OV BO LO	NP	I 24				MGB Blu	
1003	Hand clasp mutual groom KK↔LR									HCG
1004	BOth ST and LR are grooming KK after hand clasp									
1008	YB approached OT and PB who made pant grunts									PTG
	before him and groomed him									
1009	WL grooming KK.									
1010	YB grooming NP as BL grooms Bo.									
1011	PB grooming YB.									
1012	chain groom NP→YB→PB.									
11	Lo playing with we by touching each other.									
1015	KK ST YB PB	BL OT WL LR	WC OV LO BO	NP	I 24				MGB Blu	
1017	LR grooming KK									
1030	KK ST YB PB	BL WL LR OT	WC OV BO LO	NP	I 24				Blu MGB	
1031	Bo playing with we by touching.									
1034	OT grooming									
11	BL grooming Bo									
1035	LR grooming Lo									

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 **24**   MONTH **MAY**   YEAR **2009** OBSERVER **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
1037	LR grooming BL									
1040	chimps started moving.									
1045	YB KK ST PB	WL OT LR BL	WC QU BO LO	NP	I/26				MGB Blu	
1050	PB went missing.									
1054	KK and ST made joint vocal displays and buttress bungs others made waars									
1055	WL made vocal displays and buttress bungs BL Bo and NP made waars.									
1056	KK climbed into FNA at B/27 and made food barks then ST made vocal displays and buttress bungs WL and Bo avoided him casually pant barking.									FBK Food
1057	YB made vocal displays and buttress bungs others made pant barks.									
1100	YB ST KK	WL BL OT LR	WC QU BO LO	NP	B/27	✓	FNA	RF	MGB	
1115	YB ST KK	WL BL OT LR	WC QU BO LO	NP	''	✓	FNA	RF	''	
1130	KK ST YB	WL BL OT LR	WC QU BO LO	NP	''	✓	FNA	RF	''	
1145	KK ST YB	WL BL OT LR	WC QU BO LO	NP	''	✓	FNA	RF	''	
1200	KK ST YB	WL BL OT LR	WC QU BO LO	NP	''	✓	FNA	RF	''	

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KPC Behavior

DAY __24__ MONTH __MAY__ YEAR __2009__ OBSERVER __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						
1213	QT grooming her self.									
1215	KK ST YB	WL BL QT LR	WCQU BOLO	NP	B/27	✓	FNA	RF	MGB	
1216	QT grooming ST									
1220	chain groom QT → ST → KK.									
1224	Both QT and KK grooming ST									
1226	Hand clasp mutual groom ST ⇆ KK									HCG
1228	ST grooming KK after hand clasp.									
1230	KK ST YB	WL BL QT LR	WCQU BOLO	NP	B/27	✓	FNA	RF	MGB	
1245	KK ST YB	WL BL QT LR	WCQU BOLO	NP	"	✓	FNA	RF	MGB	
1255	chimps coming down from FNA.									
1257	chimps entered into THV.									
1258	A fight broke between QT and Bo where by they all made screams exchanging arm threats then KK intervened making non vocal displays and chased them, they both fled screaming. WL also fled screaming.									
1307	KK ST YB	WL BL QT LR	WCQU BOLO	NP	B/28	✓	THV	THV	MGB	
1307	KK moved towards QT who made pant grunts before him KK ignored her.									PTG

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KPC Behavior

DAY __24th__ MONTH __MAY__ YEAR __2009__ OBSERVER __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						
1315	KK ST YB	WL BL LR QT	WC QV BO LO	NP	B 29	✓	THV	THV	Ø	
1330	KK ST YB	WL BL LR QT	WC QV BO LO	NP	"	✓	THV	THV	Ø	
1345	KK ST YB	WL BL LR QT	WC QV BO LO	NP	"	✓	THV	THV	Ø	
1353	ST YB KK and LR (LO) went missing in THV.									
1400		WL BL QT	WC QV BO	NP						
1415		WL BL QT	WC QV BO	NP	C 29	✓	THV	THV	Ø	
1430		WL BL QT	WC QV BO	NP	"	✓	THV	THV	Bwc	
1445		WL BL QT	WC QV BO	NP	"	✓	THV	THV	"	
1500		WL BL QT	WC QV BO	NP	"	✓	THV	THV	"	
1502	chimps coming out of THV.									
1507	BO playing with WC by touching.									
1515		WL BL QT	WC QV BO	NP	C 29				Bwc	
1520	BO played badly with WC where by WC made screams then WL grabbed WC and made attack one on BO by kicking him, BO screamed then BL interveded and they exchanged both screaming kicks and slaps with WL. NP and QT made waars.									
1530		WL BL QT	WC QV BO	NP	C 29				Bwc	
1535	Distant calls were heard from a closs range, this party responded with pant hoots									

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KPC Behavior

DAY **24** MONTH **MAY** YEAR **2009** OBSERVER **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						
1538	KK joined the party making non vocal displays									
	BL BO and WL feed pant barking .									
1545	KK	BL WL QT	WC QV BO	NP	C/29				BWC	
1600	KK	BL WL QT	WC QV BO	NP	''				BWC	
1606	chimps started moving .									
1615	KK	BL WL QT	WC QV BO	NP	S/KTO				RDC	
1624	QT grooming KK .									
1626	chimps entered into THV for feeding .									
1629	WL made ~~pant grunts~~ to KK who ignored her									PTG
1630	KK	BL WL QT	WC QV BO	NP	S/JG	✓	THV	THV	Ø	
1637	BL feeding on wasps' comb using ATR leaves									
1645	KK	BL WL QT	WC QV A BO	NP	JG/28	✓	THV	THV	Ø	
1700	KK	BL WL QT	WC QV BO	NP	''	✓	THV	THV	Ø	
1715	KK	BL WL QT	WC QV BO	NP	''	✓	THV	THV	Ø	
1730	KK	BL WL QT	WC QV BO	NP	''	✓	THV	THV	Ø	
1745	KK	BL WL QT	WC QV BO	NP	''	✓	THV	THV	Ø	
1800	KK	BL WL QT	WC QV BO	NP	''	✓	THV	THV	Ø	
1815	KK	BL WL QT	WC QV BO	NP	K/JG	✓	THV	THV	Ø	
1830	KK	BL WL QT	WC QV BO	NP	K/JG	✓	THV	THV	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):

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