DAY 23rd MONTH JAN YEAR 09 OBS-PC SM TMF/40 ST TW MK HOW FOUND FT

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	AM	BL	BU	BO	MU	MX	OU	OK	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	QT	QV	HH	LS	NP	EU	ML	MN	GRID	MNK	SP	PT
Estrus																	1		1					3			3		3		1		3		1							2						
5:45																																																
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7:00																																																
7:15																																																
7:30	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/25	None	FNA	RF
7:45	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		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	X		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	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	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	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	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	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	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	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	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	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	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	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	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
11:15	X	X	X	X	X	X	X	X	X	X	X	X	X				X	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	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	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
12:00	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
12:15	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
12:30	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
12:45	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/25	None	FNA	RF
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	AM	BL	BU	BO	MU	MX	OU	OK	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	QT	QV	HH	LS	NP	EU	ML	MN				
13:00	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/25	None	FNA	RF
13:15	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
13:30	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X			FNA	RF
13:45	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
14:00	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X			THV	
14:15	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/25			
14:30	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/24			
14:45	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
15:00	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X			FCy	YL
15:15	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X			"	"
15:30	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X			THV	
15:45	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
16:00	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
16:15	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
16:30	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
16:45	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
17:00	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/24		THV	
17:15	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/25		FNA	RF
17:30	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
17:45	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
18:00	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
18:15	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X				
18:30	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X			FNA	RF
18:45	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	J/25	None	—	—
19:00																																															
19:15																																																
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	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	AM	BL	BU	BO	MU	MX	OU	OK	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	QT	QV	HH	LS	NP	EU	ML	MN	GRID	MNK	SP	PT
Health	1	1	1	1	1	1	1	1	1	1	1	2	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1		1		1	1	1	1				

COMMENTS TJ and LO were heard SNeezing and ST have afresh Wound on Second digit of his left hand. No monkeys encountered.

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

T9 (2) UM (3) AL (3) OU (1) **KPC Behavior** WA (3) OT (2) LR (1) ML (2) QT (1) MU (1)

DAY 23rd MONTH JAN YEAR 09 OBSERVER MK SMSJTW 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
718	OBS found chimps feeding in FNA tree at 1S/2E									
730	KK MS AJ LK YB BB TU PG PB ES ST TJ	T9 WA AL MU QT UM OU LR ML	09 UN TT AT AZ QV LO MX	TS OT OM MN WE NP EU	1S/2E	✓	FNA	RF	Ø	
745	KK MS AJ LK YB BB TU PG PB ES ST TJ	T9 WA AL MU QT UM OU LR ML	09 UN TT AT AZ QV LO MX	TS OT OM MN WE NP EU	"	✓	"	"	Ø	
758	LK grooming LR									
800	KK MS AJ LK YB BB TU PG PB ES ST TJ	T9 WA AL MU QT UM OU LR ML	09 UN TT AT AZ QV LO MX	TS OT OM MN WE NP EU	1S/2E	✓	FNA	RF	Ø	
805	Some one made non vocal displays in a feeding tree									
	NP and Others fled screaming and pant barking									
	Others Made waar barks									
815	KK MS LK PG PB BB TU AJ ST ES TJ YB	T9 WA AL MU QT UM OU LR ML	09 UN TT AT AZ QV LO MX	TS OT OM MN WE NP EU	1S/2E	✓	FNA	RF	Ø	
817	LR approach pant grunting to MS he ignored then LR									PTG
	groomed MS									
830	KK MS LK BB YB AJ ST TJ ES TU PG PB	AL UM OU LR T9 MU ML WA QT	09 LO UN QV MX AT AZ TT	OM OT EU WE TS NP MN	1S/2E	✓	FNA	RF	Ø	
845	KK MS LK BB YB AJ ST TJ ES TU PG PB	AL UM OU LR T9 MU ML WA QT	09 LO UN QV MX AT AZ TT	OM OT EU WE TS NP MN	"	✓	"	"	Ø	
852	TJ was heard sneezing									
855	Silent cop. with dart appro. F -> M 10sec no groom no interference									CP TJ -> AL
859	LR made waar barks and screams then attack (1)									
	to ML with kicks and slaps ML retaliated by exch									
	anging slaps with LR while all making waars and									
	screams others didn't respond									
900	KK MS LK PG YB AJ ES TU TJ ST BB	AL OU UM MU QT LR ML WA T9	09 TT LO AT AZ MX QV UN	TS OT OM EU WE MN NP	1S/2E	✓	FNA	RF	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 23rd MONTH JAN YEAR 09 OBSERVER MKJM SMSJTW 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
906	Silent cop no dart appro. m->F 7sec no groom no interference									CP TU->UM
915	KK LK MS PB PG BB YB TJ ST ES TU AJ	AL OU UM MU WA ML TG LR QT	OG UN MX AT AZ LO TT QV	TS OT OM EU WE MN NP	1S/2E	✓	FNA	RF	Ø	
930	KK LK MS PB PG BB YB TJ ST ES TU AJ	AL OU UM MU WA ML TG LR QT	OG UN MX AT AZ LO TT QV	TS OT OM EU WE MN NP	n	✓	n	n	Ø	
937	Silent cop. no dart appro. m->F 7sec he groomed her after no interference									AJ->CP UM
945	KK LK MS PB PG BB YB TJ ST ES TU AJ	AL OU MU UM TG QT ML LR WA	OG UN MX AT AZ LO TT QV	TS OT OM EU WE MN NP	1S/2E	✓	FNA	RF	Ø	
1000	KK LK MS PB PG BB YB TJ ST ES TU AJ	AL OU MU UM TG QT ML LR WA	OG UN MX AT AZ LO TT QV	TS OT OM EU WE MN NP	n	✓	n	n	Ø	
1013	PG BB MS TU YB ST leaving the feeding tree									
	both reach on ground and rest									
1015	KK LK MS PB PG BB YB TJ ST ES TU AJ	AL OU MU UM TG QT ML LR WA	OG UN MX AT AZ LO TT QV	TS OT OM EU WE MN NP	1S/2E	✓	FNA	RF	Ø	
1015	MS TU both grooming BB									
1015	Hand clasp mutual groom TU <-> BB									Hcg
1015	PG made ground nest and rest									
1016	TU groome BB after hand clasp									
1016	MS grooming YB									
1017	Chain groom ST -> TU -> MS -> YB									
1018	Mutual groom TU <-> ST and BB grooming himself									
1019	Hand clasp mutual groom TU <-> ST									Hcg
1020	TU groomed ST after hand clasp									
1020	Hand clasp mutual groom TU <-> ST									Hcg
1021	MS and TU both grooming ST after hand clasp									

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 23rd MONTH JAN YEAR 09 OBSERVER SMST MW (MK JM) 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
1022	YB grooming him self									
1023	TU grooming YB									
1026	YB grooming TU									
1026	Chain groom MS → ST → BB									
1030	MS TU ES ST BB PG PB YB TJ AJ VV KK	UM MU MK OU AN TG WG BT LR	LO OG MN AT FN TJ BV MX	EU OT OM WE MN NP TS	1S/2E	✓	FNA	RF	Ø	
1031	TU grooming YB									
1033	TU and MS both grooming ST									
1040	PG grooming LR									
1040	QT approach pant grunting to MS ST TU BB both ignore									PTG
1041	PG Inspecting QT by smelling on her estrous then									
	PG groomed QT									
1043	QT grooming YB									
1044	MS was heard sneezing									
1044	PB grooming PG and BB grooming MS									
1044	Hand clasp mutual groom PG ↔ PB									HCG
1045	KK KV MS TU ES ST BB YB PG PB PS TJ	UM MU WG AN TG LR OU BT MV	OG AT AN TT UN BV LO MX	EU OT OM WE MN NP TS	1S/2E	✓	FNA	RF	Ø	
1045	PG grooming PB after hand clasp									
1046	ST grooming BB and LR grooming PG									
1047	Hand clasp mutual groom LR ↔ PG									
1047	LR groomed PG shortly after hand clasp									

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 23rd MONTH JAN YEAR 09 OBSERVER SM ST TW (MK TM) Found: C (FT, circled) FFT N Other

Time	AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH CODE
1050	BB grooming ST									
1053	Chain groom QT → BB → ST									
1054	QT approach pant grunting to MS and she presented to him then MS groomed her shortly									
1055	LO was heard sneezing									
1059	ST have a fresh wound on second digit of his left hand.									
1100	KK LK TU PG PB BB MS ES TT AJ ST YB	AL TG UM TM LR WA OU ML QT	OG TT UN AT AL MX LO	TS OT OM EU WE NP MN	1S/2E	✓	FNA	RF	Ø	
1106	MS grooming himself and TU grooming himself									
1107	BB grooming ST									
1108	Hand clasp mutual groom BB ↔ ST									Hcg
1109	Mutual groom after hand clasp BB ↔ ST									
1112	Chain groom ST → BB → TU									
1115	KK TU YB PG BB PB ES TS PJ ST KK MS	AL UM ML MU OU TG WA TC BT LR	OG AT AL LO UN MX TT	TS OT OM EU WE NP MN	1S/2E	✓	FNA	RF	Ø	
1115	Mutual groomig BB ↔ TU									
1116	Hand clasp mutual groom TU ↔ BB									Hcg
1117	MS made attack (1) to YB with a slap he avoid casual screaming MS continued making non vocal displays Others pant hooted									
1119	MS made non vocal displays and dragging as Hcg TU BB YB fled pant barking and PB fled screaming									

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 23rd MONTH JAN YEAR 09 OBSERVER MK JM SMSJ TW 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						
1130	MS TU BB PB PG ES TJ AJ ST LK KK YB	UM MU ML LR AV BT OU TS WA	OG AT AZ TT UN LO MX BV	EU WE TS OT OM NP MN	1S/2E	✓	FNA	RF	Ø	
1132	QT grooming QV									
1133	ES grooming EU									
1134	KK made non vocal displays and PG joined him making non vocal displays and he chassed ES who fled screaming									
1136	PG approached KK then KK mounted PG at same time he make soft bites on him then KK groomed PG									
1141	Hand clasp mutual groom PG ⟷ KK									HCG
1142	PG groomed KK after hand clasp									
1145	MS TU BB PB PG ES TJ AJ ST LK YB	UM MU AV ML BT OU WA TS	OG AT AZ TT UN LO MX BV MN	EU WE TS OT OM NP	1S/2E	✓	FNA	RF	Ø	
1147	KK grooming PG									
1150	QT grooming YB									
1155	BB grooming him self									
1156	Some screamed in a poor view then MS BB ST made joint non vocal displays KK avoided them casual silent climbing up a tree									
1200	KK TU ES PG PB BB AJ ST LK YB TJ MS	LR AV TS UM MU ML OU BT WA	OG AT AZ TT UN MX TT LO MN	EU WE TS OT OM NP	1S/2E	✓	FNA	RF	Ø	
1215	KK ES TU MS BB PG PB ST LK YB TJ AJ	LR AV TS UM MU ML OU BT WA	OG AT AZ TT UN MX MN TT LO	EU OT OM OWE TS NP	n	✓	n	n	Ø	
1226	PB pant grunted to AJ he ignored them PB groomed AJ									PTG

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 23rd MONTH JAN YEAR 09 OBSERVER JM SM TW MK Found: C (FT) FFT N Other______

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH CODE
1226	MS chassed um who fled screaming ES also fled pant barking climbing up atree									
1230	KK AJ MS ES PG BY LK BB TU TJ PB ST	UM MU OU BT LR TG AK WA	TK LO OG MN UN BY PI AZ MX	WE TS EU OT OM	15/2E	✓	FNA	RF	Ø	
1230	MS made non vocal displays and chassed um who fled screaming at sametime AJ made non vocal displays pg joined him making non vocal displays then AJ chassed ES who fled screaming									
1231	MS made non vocal displays and chassed TU who fled screaming then MS made attack (1) to TU with akick as MS continued displaying TU ran after him then MS slaped the ground at sometime pg made non vocal displays then QT LR MU fled pant barking climbing up tree's									
1232	AJ made non vocal displays and attack (1) to um with kicks and slaps she screamed but not avoiding others made waars									
1235	pg made non vocal displays and chassed um who fled screaming climbing up atree others made waars in apoor view against pg then pg fled screaming approaching KK LK while all making screams as they mounted each other then KK hugged pg at same time AJ TU MS BB ST made joint vocal displays against KK pg LK they also made VD then AJ made attack (1)									

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

1235 to pg with kicks and slaps he retaliate by exchanging slaps and kicks against each other while all making screams at same time other males making vocal displays then BB and MS made joint chasse while all waar barking against KK he fled silent climbing atree others made waars. (coalition)

KPC Behavior

DAY 23rd MONTH JAN YEAR 09 OBSERVER JM SMTWMK 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
1238	BB made vocal displays some ID's fled pant									
	barking in a poor view									
1239	Silent cop. no dart appro. M→F 8sec no groom no interference									CP TU→UM
1245	KK MS LK TU AJ ST YB ES TJ PG PB BB	UM LR OU TG MU QT ML AL WA	OG UN MN AT AZ LO TT MX QV	OM OT EU WE TS NP	1S/2E	✓	FNA	RF	Ø	
1300	KK MS LK TU AJ ST YB ES TJ PG PB BB	UM LR OU TG MU QT ML AL WA	OG UN MN AT AZ LO TT MX QV	OM OT EU WE TS NP	"	✓	"	"	Ø	
1311	PG made non vocal displays but no one responded									
1315	KK MS LK TU AJ ST YB ES TJ PG PB BB	UM LR OU TG MU ML AL WA	OG UN MN AT AZ LO TT MX QV	OM OT EU WE TS NP	1S/2E	✓	FNA	RF	Ø	
1316	PG made non vocal displays but no one responded									
1322	MX Invited UM by shaking branches for cop. but									
	UM Ignored									
1323	Silent cop. no dart appro. M→F 8sec no groom no interference									CP ST→UM
	ST Inspected UM after by smelling on estrous									
1330	KK BB ES TU YB ST AJ LK TJ PG PB MS	UM MU OU ML TG AL WA QT LR	OG TT QV AT AZ LO UN MN MX	TS EU WE NP OT OM	1S/2E	✓	FNA	RF	Ø	
1332	MS made screams and branch schaking against									
	QT she Ignored.									
1335	AJ grooming MS									
1336	Some Individuals entered into THU and started									
	feeding in adense vegetation									
1339	PG made non vocal displays UM fled pant barking									
	climbed a tree and EU ES MX also fled silent climb tree's									

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 23rd MONTH JAN YEAR 09 OBSERVER SM TW MK 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
1340	Silent cop no dart appro. M→F 8sec he groomed her after interference.									cp Pg-sum mo
1343	BB made mon vocal displays ES and others fled pant barking									
1345	KK MS BB ST TU AJ YB LK ES Pg PB TJ	UM MU AL WA TG LR BT OU ML	OG UN TT MX MN AZ AT LO QV	TS EU WE OT OM NP	1S / 2E	✓	FNA THV	RF	Ø	
1348	Chimps all leaving the feeding tree reach on ground then moving									
1353	WA inspecting MU by smelling on her estrous likewise MU inspecting WA by smelling on her estrous									
1358	MX playing with NP by patting and tickling each other									
1400	KK LK MS BB ST YB AJ ES TJ Pg PB TU	UM MU ML TG WA AL LR BT OU	OG TT QV AT AZ LO MN MX UN	TS OT OM NP WE EU	3E / WB	✓	THV		Ø	
1415	KK LK MS BB ST YB AJ ES TJ Pg PB TU	UM MU ML TG WA AL LR BT OU	OG TT QV AT AZ LO MN MX UN	TS OT OM NP WE EU	"	✓	"		Ø	
1430	KK LK MS BB ST YB AJ ES TJ Pg PB TU	UM MU ML TG WA AL LR BT OU	OG AT QV AT AZ LO MN MX UN	TS OT OM NP WE EU	K / WB	✓	"		Ø	
1432	MU and AL UM with their families and feeding on FCY young leaves								AJ NP	Pg PB
1440	ES grooming EU									
1445	KK LK MS BB YB TU TJ Pg ST ES AJ PB	UM MU TG ML WA OU LR AL BT	OG AT AZ QV LO MX MN AT TT	TS OT OM NP WE EU	K / WB	✓	FCY THV	YL	Ø	
1457	AJ grooming Pg									
1459	Hand clasp mutual groom AJ ⟷ Pg									Hcg

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 23rd MONTH JAN YEAR 09 OBSERVER SMTWMK 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
1500	AJ PB TU KK PG MS LK ES YB BB TJ ST	UM OU WA LR AL MU ML QT TG	UN OG MN TT AT AZ MX QV LO	NP OM OT WE EU TS	K/WB	✓	Fcy THV	YL	Ø	
1500	pg groomed AJ after hand clasp									
1502	AJ grooming pg									
1503	pg grooming AJ									
1503	Some one made non vocal displays and slapping									
	the ground in THV Some ID's fled pant barking									
1504	Silent cop. no dart appro. M->F 7sec no groom UN interfered									CP PB->UM
	by pushing PB while making pant barks he Ignored him									
1511	Um grooming UN									
1514	pg grooming MS									
1515	MS PB PG AJ TU ES ST YB KK LK TJ BB	UM OU MU ML LR AL QT TG WA	OG LO MX UN TT AT AZ QV MN	TS WE NP EU OT OM	K/WB	✓	THV		Ø	
1516	AJ and pg both grooming MS									
1516	Silent cop. no dart appro. M->F 9sec no groom UN interfered by									CP MS->UM
	Steping on Um back while Make screams they Ignored him									
1520	Silent cop. no dart appro. M->F 6sec no groom UN interfered by									CP TU->UM
	make pant barks and soft bites on TU he Ignored him									
1522	AJ grooming MS									
1530	MS PG AJ TU PB KK LK TJ ES YB BB ST	UM AL OU TG WA MU ML QT LR	OG LO TT AT AZ QV MN MX UN	TS WE NP EU OT OM	K/WB	✓	THV		Ø	
1545	MS PG AJ TU PB KK LK TJ ES YB BB ST	UM AL OU TG WA MU ML QT LR	OG LO TT AT AZ QV MN MX UN	TS WE NP EU OT OM	"	✓	"		Ø	
1557	OU approach pant barking to MS and she extended hand to him MS smell on it and they kissed each other then OU groomed MS									

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 23rd MONTH JAN YEAR 09 OBSERVER SM TWMK 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
1558	Ou presented to MS he Inspected her by touch and									
	Smelling on her estrous then Ou groomed MS									
1600	TU LK MS PB PG AJ ST BB ES TJ KK YB	OU UM WA AL ML GT MU LR TG	OG UN AT AZ QV MN MX TT LO	NP OM OT WE EU TS	K/WB	✓	THV		Ø	
1601	Ou grooming Om									
1614	Np playing with og by wrestling and tickling each									
	Other on ground									
1615	TU LK MS PB PG AJ ST BB ES TJ KK YB	UM WA OU AL ML TG GT LR MU	OG UN AT AZ QV MN MX LO TT	NP OM OT WE EU TS	K/WB	✓	THV		Ø	
1624	ST grooming BB									
1625	Chain groom MS → ST → BB									
1630	TU LK MS PG PB AJ ST BB KK YB TJ ES	UM WA OU AL TG LR MU ML GT	OG UN AT AZ QV TT MX MN LO	NP OM OT WE EU TS	K/WB	✓	THV		Ø	
1632	MS grooming BB									
1644	Silent cop. no dart appro. M → F 7sec no groom no interference									CP MS → UM
1645	TU LK MS KK BB YB AJ ES TJ PG PB ST	LR AL TG OU MU UM ML GT WA	OG LO TT AT AZ UN MX MN QV	TS OT OM EU WE NP	K/WB	✓	THV		Ø	
1700	TU LK MS KK BB YB AJ ES TJ PG PB ST	LR AL TG OU MU UM ML GT WA	OG LO TT AT AZ UN MX MN QV	TS OT OM EU WE NP	H/WB	✓	"		Ø	
1708	Chimps leaving THV and started moving									
1709	BB ST MS made joint vocal displays and MS									
	made buttress bungs Others responded with									
	pant hoots									
1710	ST and MS made vocal displays Others pant									
	hooted at same time they climbed in FNA tree then 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

KPC Behavior

DAY 23rd MONTH JAN YEAR 09 OBSERVER SMTWMK 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
1715	KK TU LK MS YB BB ES TJ ST PG PB AJ	TG LR WG MU ML UM OU QT AL	OG TT UN MN MX AT AZ LO QV	TS EU WE NP OT OM	1S/2E	✓	FNA	RF	Ø	
1718	Pg Made non vocal displays and buttress bungs									
	but no one responded									
1724	Silent cop. no dart appro. M→F 6sec no groom pg Interfered									CP ES→UM
	by make NVD Es stoped and PB fled pant barking									
1725	LK made vocal displays and buttress bungs Others									
	made pant barks									
1730	KK TU ES BB YB PG PB LK AJ TJ MS ST	OU QT WG TG UM MU ML LR AL	OG TT UN MN MX AT AZ LO QV	TS EU WE OT OM NP	1S/2E	✓	FNA	RF	Ø	
1737	Silent cop. no dart appro. F→M 5sec no groom AJ Interfered									CP ES→UM
	by chassing ES he fled screaming									
1740	Silent cop. no dart MA 9sec no groom no Interference									CP AJ→UM
1745	KK TU LK MS BB YB AJ PG ST PB TJ ES	OU QT WG TG UM MU ML LR AL	OG LO TT MN MX AT AZ QV UN	TS EU WE OT OM NP	1S/2E	✓	FNA	RF	Ø	
1800	KK TU LK MS BB YB AJ PG ST PB TJ ES	OU QT WG TG UM MU ML LR AL	OG LO TT MN MX UN QV AT AZ	TS EU WE OT OM NP	"	✓	"	"	Ø	
1805	KK made vocal displays and buttress bungs									
	Others made pant hoots									
1806	QT made arm threat to MU like wise MU made									
	arm threat to QT while all making screams									
	then MU extended hand to QT. like wise									
	QT extended hand to MU but no contact and									
	MU moved close to QT									

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 23rd MONTH JAN YEAR 09 OBSERVER SMTWMK 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
1815	KK TU ES AJ PB ST LK BB YB PG TJ MS	LR TG UM TW AM MU AL ET EU ML	OG TI AZ LO AT GV MN MX UN	TS EU WE NP ET DM	1S/2E	✓	FNA	RF	Ø	
1827	LK leaving the feeding tree KK followed him									
	and reach on ground then moving									
1830	KK TU YB TJ MS PB LK BB PO ES PG ST	LR TG UM MU ML AL EU ET WE	OG AZ UN MN AT LO MX TT GV	TS NP DM EU ET WE	1S/2E	✓	FNA	RF	Ø	
1833	LK made pant hoots and he entered into old									
	nest then improving it and rest tree = Zymalus									
	HT = 5m Dbh = 14 cm									
1838	TU was seen already in a nest resting tree =									
	CASPOREA HT = 7m Dbh = 12cm									
1840	Chimps all leaving the feeding tree									
1845	TU BB MS PB LK AJ ES YB PG KK TJ ST	EU UM TG MU ML LR GV WE AL	OG OL AZ TI AT UN MN LO MX	TS DM ET EU NP WE	2E/WB				O	
1847	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