DAY 29th MONTH JAN YEAR 09 OBS-PC SM TMF/40 Rm SK JMK KJ EM KK TW HOW FOUND N

Time	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	WC	LS	NP	EU	ML	MN	GRID	MNK	SP	PT
Estrus																	1		2		2			2			2		2			1		3		1	1						2					
5:45																																																
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7:15	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	X	X	X	J/25	None	FNA	RF
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	X	X	X				
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	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	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	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	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	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	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	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	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	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	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				FNA	RF
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				THV	
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					
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					
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					
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					
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		J/25	None	THV	
	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	WC	LS	NP	EU	ML	MN				
13:00										X																																X			I/24	BWC	THV	
13:15										X																																X			"	"	"	
13:30										X																																X			"	None	PHY	RF
13:45										X																																X			H/25	"	CNP	RF
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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	WC	LS	NP	EU	ML	MN	GRID	MNK	SP	PT
Health	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	*	1	1	1	1	1	1	1	1	1		1	1	1	1				

COMMENTS: PG was heard Sneezing and AT was seen Swollen on Anus.

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

Um (2) Wa (3) AL (2) WL (1) LR (1) **KPC Behavior** QT (1) Mu (1) Tg (2) OU (2) OT (2) ML (2)

DAY 29th MONTH JAN YEAR 09 OBSERVER SMKJFM (CTWRMSKJMK) 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
710	OBS arrived at the nest site found chimps had already unnested but still around feeding in FNA tree at 1S/2E									
715	KK PG PB ST BB LK ES MS AJ TU TJ YB	Wa AL UM MU LR TG QT ML WL	UN AT AZ LO TT QY MX MN WC	EU NP TS WE	1S/2E	✓	FNA	RF	Ø	
724	Cop. Scream no dart appro. M→F 7sec no groom no interference									CP PB→Wa
730	KK PG ST PB BB LK ES MS AJ TU TJ YB	Wa AL UM MU LR TG QT ML WL	UN AT AZ LO TT QY MX MN WC	EU NP TS WE	1S/2E	✓	FNA	RF	Ø	
734	Silent cop. no dart appro. M→F 5sec no groom no interference									CP ST→Wa
736	Um made waar barks and chassed AT he fled screaming									
745	KK PG PB ST BB LK ES MS AJ TU TJ YB	Wa AL UM LR TG QT MU ML WL	UN AT AZ LO TT QY MN MX WC	EU NP TS WE	1S/2E	✓	FNA	RF	Ø	
753	Cop. Scream no dart appro. M→F 7sec no groom no interference									CP TU→Wa
758	AJ chassed QT who fled screaming, she tried to retaliate by make arm threat he continued chassing her									
800	AJ ES MS PG PB BB TU ST TJ LK KK YB	Wa AL UM MU ML LR TG QT WL	UN AT AZ LO TT QY MN MX WC	EU NP TS WE	1S/2E	✓	FNA	RF	Ø	
809	OU OT OM OG joined the party but no call were made									
813	PG made non vocal displays TJ fled screaming									
814	PG made non vocal displays TJ fled screaming then PG made attack (2) to um with kicks she retaliated by exchanging slaps and bitting PG then others made waar barks PG fled silent and um 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 29th MONTH JAN YEAR 09 OBSERVER SMKJFM TWIC RMSKJMK BP 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
815	KK LK MS TU ST AJ PG PB ES BB TJ YB	LR UM MU AL TG QT WL OU ML WA	LO QV WC OG MX MN AT AZ UN TT	EU TS NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
820	pg made non vocal displays and chassed um									
	who fled screaming. others didn't respond.									
830	KK LK MS TU ST AJ PG PB ES BB TJ YB	LR UM MU AL TG QT WL OU ML WA	LO QV WC OG MX MN AT AZ UN TT	EU TS NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
837	LR approach pant grunting to pg and she groomed him									PTG
838	Hand clasp mutual groom pg <-> LR									HCG
839	mutual groom after hand clasp pg <-> LR									
841	LR grooming pg after mutual									
842	Cop. Scream no dart appro. M -> F 6sec no groom no interference									CP LK -> WA
843	pg grooming LR									
845	LK KK MS TU ST AJ PG PB ES BB TJ YB	LR UM MU AL TG QT WL OU ML WA	LO QV WC OG MX MN AT AZ UN TT	EU TS NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
853	AL chassed OT in a feeding tree she fled									
	screaming									
900	KK TU LK ES MS PG PB TJ BB ST AJ YB	UM MU ML WA AL OU WL TG LR QT	OG AZ AT WC QV TT MX MN UN LO	TS EU NP OT OM WE	1S/2E	✓	FNA	RF	Ø	
915	KK TU LK ES MS PG PB TJ BB ST AJ YB	UM MU ML WA AL OU WL TG LR QT	OG AZ AT WC QV TT MX MN UN LO	TS EU NP OT OM WE	n	✓	n	n	Ø	
916	pg grooming Tg									
917	Tg grooming pg									
919	WL grooming WC									
920	YB moved towards WL she pant grunted he ignored									PTG
923	ST grooming 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 29th MONTH JAN YEAR 09 OBSERVER SMKJFM TWICRMSKJMKBP 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 MS AJ LK TU BB YB PG ES PB ST TJ	AL WA MU UM ML LR TG OU WL QT	MX UN MN AT AZ OG LO TT QV WC	WE TS OT OM EU NP	1S/2E	✓	FNA	RF	Ø	
936	KK leaving the feeding tree									
936	Om grooming OT									
940	KK left the party and moved away.									
945	TJ MS AJ LK TU BB YB PG ES PB ST	AL WA MU UM ML LR TG OU WL QT	MX UN MN AT AZ OG LO TT QV WC	WE TS OT OM EU NP	1S/2E	✓	FNA	RF	Ø	
959	LK leaving the feeding and LK YB followed him									
1000	TJ TU LK BB YB ES ST PG PB AJ MS	AL WA MU UM ML LR TG OU WL QT	MX UN MN AT AZ OG LO TT QV WC	WE TS EU OT OM NP	1S/2E	✓	FNA	RF	Ø	
1005	YB and LK left the party and moved away SK JMK followed them									
1009	OU grooming OG									
1015	TJ ES MS PG PB ST AJ TU BB	AL WA MU UM LR OU WL QT ML TJ	MX UN MN AT AZ OG LO TT QV WC	WE TS EU OT OM NP	1S/2E	✓	FNA	RF	Ø	
1015	OG grooming OU									
1030	TJ ST TU MS ES PG PB AJ BB	UM WA ML LR AL WL QT OU TG MU	OG MX MN UN TT AT AZ LO QV WC	TS OT OM EU WE NP	1S/2E	✓	FNA	RF	Ø	
1035	MU grooming MS									
1042	BB AJ and AL OU with their families leaving the tree									
1043	Silent cop. no dart appro. M→F 9sec he groomed her after interference.									CP PG→UM no
1045	TJ ST TU MS ES PG PB AJ BB	UM TG AL WA WL QT OU MU ML LR	OG MX MN UN TT AT AZ LO QV WC	TS OT OM EU WE NP	1S/2E	✓	FNA	RF	Ø	
1046	UM grooming PG									
1050	TJ and Some ID's leaving the feeding tree and started moving									
1100	TJ ST TU MS ES PG PB AJ BB	UM AL TG WA WL QT OU MU ML LR	OG MX MN UN TT AT AZ LO QV WC	TS OT OM EU WE 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

1042 Chain groom MX → MU → MS

KPC Behavior

DAY 29th MONTH JAN YEAR 09 OBSERVER TWICRM SM KTFM 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
1102	OT grooming og and AT grooming Pg									
1103	Hand clasp mutual groom og ↔ OT									Hcg
1104	OT groomed og after hand clasp									
1105	OU grooming Om									
1108	Hand clasp mutual groom OT ↔ og									Hcg
1109	og groomed OT after hand clasp									
1110	MS grooming ST and AL grooming AT									
1111	AT was seen Swollen on Anus									
1112	Hand clasp mutual groom AL ↔ AT									Hcg
1114	AT groomed AL after hand clasp									
1115	TU ST MS BB Pg PB TJ AJ ES	TG OU AL WA WL ML	AT AZ TT Og WC	TS OT OM NP WE EU	1S 2E	✓	FNA	RF	Ø	
1115	Hand clasp mutual groom AL ↔ AT									Hcg
1115	AT groomed AL after hand clasp									
1115	ST grooming him self and OT grooming her self									
1117	AL grooming AT									
1118	AL grooming AZ and OT grooming og									
1119	AL approach pant grunting to pg and she groomed him									PTG
1121	Hand clasp mutual groom og ↔ OT									Hcg
1122	Pg was heard sneezing									
1122	og groomed OT 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

1111 LR LO UM UN MU MX MN QT QV left the party and moved away.

KPC Behavior

DAY 29th MONTH JAN YEAR 09 OBSERVER TW ICRM SM KJ EM 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
1123	OT grooming Og									
1127	Og playing with AZ by tickling and make Soft									
	bites each other									
1128	AL grooming AT									
1129	BB grooming himself									
1130	BB ST MS TU PG AT TS PB ES	TG AL OU WA WL ML	OG AT IT AZ WC	NP OT OM TS WE EU	3E WB	✓	THV		Ø	
1132	MS grooming BB									
1139	Og grooming OT									
1143	TU grooming MS									
1144	Hand clasp mutual groom				TU ↔ MS					HCg
1145	chain groom after hand clasp				TU → MS → ST					
1145	BB ST MS TU PG AT TS PB ES	TG AL OU WA WL ML	OG AT IT AT WC	NP OT OM TS WE EU	3E WB	✓	THV		Ø	
1148	BB grooming ST									
1200	BB ST MS TU PG AT TS PB ES	TG AL OU WA WL ML	OG AZ IT AT WC	NP OT OM TS WE EU	3E WB	✓	THV		Ø	
1204	TU grooming ST									
1205	Hand clasp mutual groom				TU ↔ ST ← MS					HCg
1206	TU and MS both grooming ST after hand clasp									
1215	BB ST MS TU PG AT TS PB ES	TG AL OU WA WL ML	OG AT IT AZ WC	NP OT OM TS WE EU	3E WB	✓	THV		Ø	
1225	TU feeding on CHT	young leaves								
1226	MS feeding on JAS	young leaves								

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

1129 Some ID's feeding THV in adense vegetation

1208 PB made non vocal displays and slapping the ground Others didn't respond.

KPC Behavior

DAY 29th MONTH JAN YEAR 09 OBSERVER SMKJFM ICTWRM 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
1230	TU MS ST PG PB ES BB AJ TJ	OU AL TG WA WL ML	WC OG AT AZ TT	EU OT OM NP WE TS	3E/1S	✓	THV		Ø	
1241	Ms Made vocal displays and buttress oungs others									
	made waar barks									
1245	TU ST MS PG PB ES BB AJ TJ	OU AL TG WA WL ML	WC OG AT AZ TT	EU OT OM NP WE TS	K/WB	✓	THV		Ø	
1258	Chimps scarttered in THV and some ID's got lost									
1300	ES			EU	9E/WB	✓	THV		Bwe	
1315	ES			EU	n	✓	n		n	
1323	Es and Eu feeding on Phytollacca ripe fruits									
1330	ES			EU	NB/WB	✓	PHY	RF	Ø	
1339	Es feeding on CNP ripe fruits while Eu looking									
	at him									
1345	ES			EU	WST/crd	✓	CNP	RF	Ø	
1354	Es and Eu got lost in THV as they moved heading									
	in K13 at swamp trail/crd.									
1340	OBS found TJ WA WE moving on ground by following									
	calls at 4E/WB									
1845	TJ	WA		WE	4E/WB				Ø	
1849	WA (WE) TJ feeding on CHT young leaves									
1900	TJ	WA		WE	4E/WB	✓	CHT	YL	Ø	
1915	TJ	WA		WE	n	✓	n	n	Ø	

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 29th 1 MONTH JAN YEAR 09 OBSERVER TWIC SMKTEM 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						
1930	TJ	WA		WE	25/WE				D	
1932	WA (WE) entered into Old nest and Improving									
	it then rest tree = WB HT = 8m DBH = 15cm									
1935	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