DAY 15 MONTH 08 YEAR 09 OBS-PC ST TMF/40 SM IC TW RS HOW FOUND NEST

	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	QL	AM	GRID	MNK	SP	PT
Estrus													1	3					1	2			0						1		1				2	1														
5:45																																																		
6:00																																																		
6:15																																																		
6:30																																																		
6:45																																																		
7:00				X			X																																							N/26	None	—	—
7:15				X			X																																							F/26		UCH	RF
7:30				X			X																																									—	—
7:45				X			X																																									UCH	RF
8:00				X			X																																										"	"
8:15				X			X																																										"	"
8:30				X			X																																										"	"
8:45				X			X																																							J/26		THV	THV
9:00				X			X																																							K/26		—	—
9:15				X			X						X	X	X																				X	X	X				X			M/26		FCP	RF
9:30				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				"	"
10:00				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				"	"
10:30				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				"	"
11:00				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				"	"
11:30				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				"	"
12:00				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				THV	THV
12:30				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				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	QL	AM	GRID	MNK	SP	PT
13:00				X			X												X	X	X							X	X	X					X	X	X						X				M/26	None	THV	THV
13:15				X			X												X	X	X							X	X	X					X	X	X						X				M/25	—	FCP	RF
13:30				X			X												X	X	X							X	X	X					X	X	X						X				N/25	RDC	FBC	LF
13:45				X			X												X	X								X	X	X					X	X	X						X				"	None	—	—
14:00				X			X												X	X								X	X	X					X	X	X						X				"		—	—
14:15				X			X												X	X			X	X				X	X	X	X				X	X	X						X				O/25		FEA	YL
14:30				X			X												X	X			X	X				X	X	X	X				X	X	X						X						COA	RF
14:45				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						"	"
15:15				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						"	"
15:45				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						—	—
16:15				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						—	—
16:45				X			X					X							X	X			X	X				X	X	X	X				X	X	X						X						THV	THV
17:00				X			X					X							X	X			X	X				X	X	X	X				X	X	X						X						PEA	UF
17:15				X			X					X							X	X			X	X				X	X	X	X				X	X	X						X						"	"
17:30				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						—	—
18:00				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				O/25	None	—	—
18:30																																																	
18:45																																																	
19:00																																																	
19:15																																																	
19:30																																																	
19:45																																																	
20:00																																																	
20:15																																																	
20:30																																																	
	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	QL	AM	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													

COMMENTS 1150 09 was heard sneezing

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 15 MONTH 08 YEAR 09 KPC SJ OTHERS SM IC FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
657	OBS arrive at nest site									
700	YB KK LK				85/6HE				⊘	
701	YB Coming out the night nest followed by KK									
702	LK left the night nest.									
705	LK and KK made joint vocal displays for 45sec YB joined them with vocal displays									
707	KK and LK made joint Vocal displays for 3 sec YB joined them with vocal displays for 2sec									
712	3 Chimps feeding in THV. And				URH					
715	KK LK YB				85/3E	VURH	RF		⊘	
716	LK feeding on ANE (LL)								⊘	
725	LK climbed up for feeding				URH					
730	LK KK YB				85/3E				⊘	
745	LK KK YB				85/3E	VURH	RF		⊘	
747	LK Climbed down from				URH					
754	Chimps Climbed into EHR making food barks									FBK

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
705	LK	45sec						None			—				Wake	g
705	KK	45sec						None			—				Wake	g
705	YB	35ec						None			—				Wake	g
707	KK	3sec						None							Wake	g
707	LK	3sec						None							Wake	g

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

Bu → ③ BL → ① WL → ② KPC Behavior QT → ①

DAY 15 MONTH 08 YEAR 09 KPC SJ OTHERS Sm IC FOUND NBJ

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
800	KK LK YB				85/2E	✓	EHR	RF	∅	
815	KK LK YB				"	✓	"	"	∅	
830	KK LK YB				"	✓	"	"	∅	
836	LK climbed down from UHR and joined Others into THv									
845	KK LK YB				85/2E	✓	THv	THv	∅	
854	Chimps again climbed into another EHR for feeding Making Pant-hoots									
859	Distant Calls heard from South of K-15 and the focal IDs made WAARS and at the sametime climbed down and started moving									
900	KK YB LK				29/SB				∅	
901	LK and KK made joint Vocal displays for 6sec, YB Joined them with VD									
904	KK LK YB made joint Vocal displays for 8sec and some IDs from the Distant made Pant-hoots, LK KK dragged the skulls									
914	Chimps joined other IDs in FCP and they made									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary) V pant hoots

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
901	LK KK	6sec						Adm			k				Unknown	G
904	KK LK YB	8sec						none							Communication	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

903 Distant calls heard from south of K-15 and the focal IDs made waars.

OU → (1) AL → (1) KPC Behavior OT → (2)

DAY 15 MONTH 08 YEAR 09 KPC ST OTHERS Sm IC RS FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
915	KK LK YB	BL WL QT Bu	QV WC Bo	NP	B/27	✓	FCP	RF	⊘	
917	KK chased WL in the feeding trail and she									
	fled screaming.									
930	KK LK YB	BL WL QT Bu	QV WC Bo	NP	B/27	✓	FCP	RF	⊘	
944	some IDs joined the party they all made Pant									
	hoots.									
945	KK LK YB TJ	BL WL QT Bu OU AL OT	QV WC Bo OG AT AZ	NP OM OLAN	B/27	✓	FCP	RF	⊘	
950	Copulation female approach Bu → YB 55sec with no									CP
	scream but there's dart.									
1000	KK LK YB	BL QT WL OT OU AL	QV WC Bo OG AT AZ	NP OM OLAN	B/27	✓	FCP	RF	⊘	
1004	Copulation female approach Bu → AT 45sec with									CP
	no screams no dart and Bu groom AT									
1008	WL approach Pant + grut to LK and LK groom WL									
1010	WL grooming LK.									
1011	AT grooming NP.									
1013	LK grooming WL.									
1015	KK LK YB TJ	BL QT WL OT OU AL	QV WC Bo OG AT AZ	NP OM OLAN	B/27	✓	FCP	RF	⊘	
11	LK approach Bu for Co-opulation and Bu fled Screaming									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
950	55sec	Bu	YB	No	No	No	Yes	female.	
1004	45sec	Bu	AT	No	Yes	No	No	female	Bu groom AT

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC SJ OTHERS SMIC RS FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1022	LK invited Bu for Copulation by branch shaking to Bu and Bu ignored.									
1026	LK Chased Bu and She fled screaming									
1028	AT grooming LK									
1030	LK KK YB TJ	OU BL AL OT RT WL	OG AJ AZ NP Om SV WC BO LAN		B/27	✓	FCP	RF	✓	
1034	Handclasp Mutual groom	LK ⇄ AT								Hcg
1035	AT groom LK after handclasp groom.									
1036	LK approach Bu for Copulation and Bu flee making Pant-barks									
1040	Copulation Male approach		OG →		Bu 2sec					CP
	then TJ interfered by Making Wear-barks,									
1040	Copulation Male approach		TJ →		Bu 4sec					CP
	with dart but no screams.									
1042	KK grooming AL									
1043	TJ threatened NP branch shaking then NP made									
	screams but didn't avoid.									
1045	LK KK YB TJ	OU BL AL OT RT WL	OG AJ AZ NP Om SV WC BO LAN		B/27	✓	FCP	RF	✓	
1047	Copulation male approach		AT →		Bu 7sec					CP

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1026	LK			2sec				Bu		F	screaming				Sexual	T

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC ST OTHERS SM IC TW RS FOUND NEST

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1100	LK KK YB TT	OU BL AL OT QT WL	OG AT AZ QV WC BO	NP OM OL AN	B/27	✓	FCP	RF	⊘	
1104	LK grooming KK									
1106	Handclasp Mutual groom				LK	⇆	KK			Hcg
1108	KK grooming LK after handclasp									
1110	LK grooming KK									
1115	LK KK YB TT	OU BL AL OT QT WL	OG AT AZ QV WC BO	NP OM OL AN	B/27	✓	FCP	RF	⊘	
"	BL grooming Bu.									
1117	KK grooming LK									
"	Handclasp Mutual groom				LK	⇆	KK			Hcg
1118	Mutual grooming after handclasp				LK	⇆	KK			
1119	AL grooming AT									
1121	Bu grooming BL.									
1121	NP makes a day rest in the feeding line Height 18m.									
1123	AT grooming AL.									
1124	BL grooming Bu.									
1124	KK grooming KK									
1130	LK KK YB TT	OU BL AL OT QT WL	OG AT AZ QV WC BO	NP OM OL AN	B/27	✓	FCP	RF	⊘	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1130	45sec	Bu	YB	Yes	No	No	No	fl male.	BL made it to banks

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC SJ OTHERS SM IC JW RM RS FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1134	Handclasp	mutual groom		AL ⇒		AT				Hug
1142	OU approach Pant-grunt and present to									
	LK and he inspected her by touching her									
	estrous and groomed her shortly.									
1145	KK LK YB TJ	OU AL BL Bu QT WL OT	OG AT AZ QV WC BO	NP OL OM AN	B/27	V	FCP	RF	⊘	
"	AT grooming AL									
1148	OU grooming OT									
1150	OT grooming OU									
"	OG was heard sneezing									
1152	AL grooming AN									
1155	AT Pant-grunt and groom YB									
1200	KK LK YB TJ	OU AL BL Bu QT WL OT	OG AZ AT QV WC BO	NP OL OM AN	B/27	V	FCP	RF	⊘	
1203	Chimps left the feeding tree and fed in								THV	
1205	YB grooming LK									
1209	LK grooming YB									
1212	YB groom LK									
1215	KK LK YB TJ	OU AL BL Bu QT WL OT	OG AZ AT QV WC BO	NP OL OM AN	B/27	V	THV	THV		
1216	LK grooming YB									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

1159 LK groom YB

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC SJ OTHERS SM KTW RS FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1221	YB grooming LK									
"	Handclasp Mutual groom				LK ⇆ YB					Hcg
1222	Mutual groom after handclasp				LK ⇆ YB					
1227	LK grooming YB.									
1230	LK LK YB TJ	OU AL BL BU QT WL	AT AZ OG BO QV WC	OM OL AN	B/27	✓	THV	THV	∅	
1236	YB grooming LK									
1239	LK grooming YB									
1240	Chimps separated.									
1245	LK YB	AL QT WL OU OT	AT AZ OG QV WC	OM OL AN	B/27	✓	THV	THV	∅	
1247	YB groom LK shortly									
1248	Handclasp Mutual groom				LK ⇆ YB					
1250	YB grooming LK after handclasp.									
1252	Mutual grooming		LK ⇆ YB							
1257	LK grooming YB.									
1300	LK YB	AL QT WL OU OT	AT AZ OG QV WC	OM OL AN	B/27	✓	THV	THV	∅	
"	YB grooming LK.									
1310	LK made non-vocal displays and OT and AL									
	Made Pant-barks, OT fleing									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G
1310	LK		4sec					OT		F	Pant-barking				Unknown	g

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP; Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC ST OTHERS ST TW FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1311	chimps climbed into FCP without making any calls									
1315	LK YB	OU AL QT WL OT	OG AT WE AZ QV	OM OL AN	V/23	V	FCP	RF	(1)	
1316	LK and YB climbed down from FCP.									
1317	LK Joined the party Making hoo-Vocal displays, others fled Pant-barking YB fled screaming									
1322	YB Made Pant-hoots LK made Vocal displays for 2 secs									
1323	LK and YB climbed into FBR									
1330	LK YB KK	OU AL QT OT WL	AT AZ OG QV WE	OM OL AN	9/19	V	FBR	RF	RBC	
1337	chimps Climbed down									
11	LK playing with AZ, by LK tickling AZ									
1341	AL feeding on TRI YL.									
1342	LK feeding TRI YL.									
1343	LK YB KK	OU AL QT OT WL	AT AZ WE OG QV	OM OL AN	F/19				(1)	
1351	NP Joined the party making Pant-hoots									
1353	YB feeding TRI YL.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey **IGI:** Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain **RD:** Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events **PAT:** Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC ST OTHERS SMTW FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1400	LK YB KK	OL AL QT WL OT	OG AT WG AZ QV	OM OL AN ND	F/19				∅	
1402	WL approach Pant-barking to KK and KK ignored									
1403	WL approach Pant-barking Present to LK and LK inspected her by touching her estrous and groomed her.									
1408	LK made Vocal displays and buttress bangs for 4sec OG made waas.									
1409	LK feed Red Soil from a fallen tree roots									
1410	QT presented to OL and OL inspected her by touching her estrous with a foot									
1414	OL made non-Vocal displays tried to slap QT but missed and QT fled screaming									
1415	YB LK KK	OL AL QT WL TG LR OT	LO AT AZ WG TT OG QV	AN TS OM OL NP TD	L/10	✓	FEX	YL.	∅	
1417	KK made non-Vocal displays and dragged a stick YB fled screaming LK fled Pant-barking climbing a tree.									
1421	Chimps	climbed into FEX for feeding								

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD / NvD Duration	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
1408	LK	45sec					None							Unknown	G
1414	OL	35ec					QT		F	Screaming				Unknown	G
1417	KK	65ec					YB		F	Screaming				Unknown	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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1414 Chimps joined LK (L) and TG TT TSTD feeding in FEX, and they all made food barks

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC SJ OTHERS SM TW FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1430	KK LK YB	OU AL QT WL OT LR TG	OG AT TT LO AZ QV WC	AN OL TS TD OM NP	M/6	✓	COA	RF	Ø	
1445	KK LK YB	OU AL LR WL OT QT TG	OG AT TT LO AZ QV WC	AN OL TS TD OM NP	"	✓	"	"	Ø	
1452	TJ and BL family joined the party									
	making pant-hoot and pant-barks.									
1500	KK LK YB TJ	OU AL BU LR WL BL OT QT TG	OG AT TT LO AZ QV WC	AN OL TS TD OM NP	M/6	✓	COA	RF	Ø	
1515	KK LK YB TJ	OU BL AL LR TG WL QT BU OT	OG AT AZ BO LO TT QV WC	AN OL TS TD OM NP	M/6	✓	COA	RF	Ø	
1528	OU makes a day nest, tree of nest CDU,									
	Height 12m.									
1530	KK LK YB TJ	OU AL BU LR WL BL OT TG QT	OG AT AZ TT BO LO QV WC	AN OL TS TD OM NP	M/6	✓	COA	RF	Ø	
1545	KK LK YB TJ	OU AL BU LR OT WL BL TG QT	OG AT AZ TT BO LO QV WC	AN OL TS TD OM NP	M/6	✓	COA	RF	Ø	
1548	It started raining									RN
1556	Chimps climbed down from COA									
1600	KK LK YB TJ	OU AL BU LR WL BL TG QT	OG AT AZ TT BO LO QV WC	AN OL TS TD OM NP	M/6				Ø	
1615	KK LK YB TJ	OU AL BU LR WL BL TG QT	OG AT AZ QV WC TT BO LO	AN OL TS TD OM NP	M/6				Ø	
1630	KK LK YB TJ	OU AL BU LR WL BL TG QT	OG AT AZ TT BO LO QV WC	AN OL TS TD OM NP	M/6				Ø	
1639	chimps feeding in THU.									
1641	LK feeding on TRI YL									
1642	LK feeding on AFR Pith.									
1644	KK approach LK and LK pant-grunts						KK ignored			PTG

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes
1452	6sec	BU	YB	No	No	No	yes	female	

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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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1640 someone attacked on a poor view the victim made screams and others made wars.

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC ST OTHERS SmTW FOUND MES

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1645	KK LK YB TJ	AL LR OU TG QT WL OT BL BU	AT AZ QV WC LO BO OG	AN NP OM OL TS TD	K/4	✓	THV	THV	∅	
1650	Chimps climbed into FEX making pant-hoots.									
1700	KK LK YB TJ	AL LR OU OT QT BU W LT GBL	AT AZ TT BO OG WC LO QV	NP OM TS OL AN TD	H/3	✓	FEX	UF	∅	
1715	KK LK YB TJ	AL LR OU OT QT WL	AT AZ WC OG LO QV	NP AN OM OL	"	✓	"	UF YL	∅	
1730	KK LK YB TJ	AL LR OU OT QT WL	AT AZ WC OG LO QV	NP AN OM OL	"	✓	"	UF YL	∅	
1737	KK makes a night nest Tree of nest,									
	BOS, Height, 14m, DBH 28cm									
1745	KK LK YB TJ	AL LR OU OT QT WL	AT AZ LO	NP AN	H/3				∅	
1750	LK climbed down from the feeding tree.									
1753	LK Makes a night nest, Tree of nest BOS,									
	Height 11m, DBH = 20 cm									
1754	YB Climbed down from the feeding tree.									
1756	NP Makes a night nest, Tree of nest MMS									
~~1757~~	Height 22m DBH = 60cm									
1757	AL Makes a night nest, Tree of nest CDM									
	Height 18m DBH 42m									
1800	YB KK LK TJ	OU AL LR QT WL OT	AZ AT WC OG LO QV	NP AN OM OL	H/3				∅	
1801	WL Makes a night nest Tree Dispy ous Height 12m DBH 22cm									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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1710 BL family and TG TT ~~TS~~ TD separated from party.

KPC Behavior

DAY 15 MONTH 08 YEAR 09 KPC SJ OTHERS SM TW FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1805	OU makes a night nest, Tree of nest,									
	UVA, Height 13m DBH = 24m									
1805	YB makes a night nest, Tree of nest									
	UVA, Height 12m DBH 26cm.									
1806	OG makes a night nest, Tree of nest UVA									
	Height 12m DBH 24m,									
1815	KK YB LK TT	OU AL LR QT WL OT	OG AZ AT LO QV WC	NP OM OL AN	H/3				0	
1820	OBS left the night nest.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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