DAY 04 MONTH 12 YEAR 09 OBS-PC ST FOC-OBS SM OTHERS KJ TW HOW FOUND NEST

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
5:45																																																	
6:00																																																	
6:15					X		X				X													X	X	X								X	X										L/23	None	—	—
6:30					X		X				X													X	X	X								X	X										"	"	—	—
6:45					X		X																	X	X	X								X	X										"	RDT	—	—
7:00					X		X																	X	X	X								X	X										"	"	—	—
7:15					X		X																	X	X	X								X	X										L/23	"	—	—
7:30					X		X																											X	X										L/24	None	—	—
7:45					X		X																											X	X										M/22	"	—	—
8:00					X		X																											X	X										L/25	"	—	—
8:15					X		X																											X	X										M/25	None	—	—
8:30					X		X		X		X																							X	X									X	M/22	MGB	FRP	RF
8:45					X		X		X		X																							X	X									X		"	"	"
9:00					X		X		X		X																							X	X									X		"	"	"
9:15					X		X		X		X																							X	X									X		None	"	"
9:30					X		X		X		X																							X	X									X			"	"
9:45					X		X		X		X																							X	X									X			"	"
10:00					X		X		X		X																							X	X									X			"	"
10:15					X		X		X		X																							X	X									X			"	"
10:30					X		X		X		X																							X	X									X			"	"
10:45					X		X		X		X																							X	X									X			"	"
11:00					X		X		X		X																							X	X									X			"	"
11:15					X		X		X		X																							X	X									X			"	"
11:30					X		X		X		X																																	X			—	—
11:45					X		X																																									—	—
12:00					X		X																																									—	—
12:30					X		X																																									—	—
12:45					X		X																																									M/26	None	"	"
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OY	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU				
13:00					X		X																																									M/27	None	THV	THV
13:15					X		X																																									"	"
13:30					X		X																																									—	—
13:45					X		X		X		X																																X						THV	THV
14:00					X		X		X		X																																X						THV	THV
14:15					X		X		X		X																																X							
14:30					X		X		X		X																																X							
14:45					X		X		X		X																																X							
15:00					X		X		X		X																																X							
15:15					X		X		X		X																																X							
15:30					X		X		X		X																																X							
15:45					X		X		X		X																																X							
16:00					X		X		X		X																																X						M/27		THV	THV
16:15					X		X		X																																		X						L/28		THV	THV
16:30					X		X		X																																		X						"		FOT	RF
16:45					X		X		X																																		X						N/25		"	"
17:00					X		X		X																																		X								"	"
17:15					X		X		X																																		X								"	"
17:30					X		X		X																																		X								—	—
17:45					X		X		X																																		X								COA	RF
18:00					X		X		X																																		X								"	"
18:15					X		X		X																																		X						N/28	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	OY	OG	OM	OL	TG	TT	TS	TD	UM	UN	AL	AT	AZ	AN	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
Health					1		1		1		1													1	1	1	1							1	1														

COMMENTS

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

TG → ① LR → ①

KPC Behavior

Day 04 Month 12 Year 09 KPC ST Others SMKJTWIC Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
612	OBS arrived at nest site									
615	LK TJ AJ	TG LR	TT LO	TS TD	J/800				Ø	
626	TG (TD) left the night nest.									
627	AJ left the nest.									
628	LK left the night nest.									
629	chimps climbed into FBR for feeding									
630	TJ LK AJ	TG LR	TT LO	TS TD	J/800				Ø	
645	LK AJ TJ	TG LR	TT LO	TS TD	"				RDI	
700	LK AJ TJ	TG LR	TT LO	TS TD	"				RDI	
715	LK AJ TJ	TG LR	TT LO	TS TD	"				RDI	
718	chimps left the feeding tree.									
720	chimps separated									
730	AJ LK	LR	LO		600/MRD				Ø	
731	AJ feeding on TTO YL									
739	LK made vocal displays AJ Joined him with -									

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	Context	Height T or G
739	LK	8 sec.						None							unknown	9

Copulation

Time	Duratio	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?)

Vocal displays LR made pant hoots and some IDs from the Distant also made pant hoots

KPC Behavior

QT → (1)

Day 04 Month 12 Year 09 KPC ST Others SM KG JW Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
744	AJ made Vocal displays and buttress bangs									
	LK joined him with Vocal displays									
	LR made wash-bangs									
745	LK AJ	LR	Lo		8/16				∅	
751	AJ feeding on brown soil from the fallen tree roots.									
752	AJ feeding on CAF YL									
800	AJ LK	LR	LO		0/23				∅	
809	AJ made Vocal displays and buttress bangs									
	LK joined him with Vocal displays and buttress									
	bangs and some IDS made ~~Pant-hoot~~ from									
	the distant									
815	AJ LK	LR	Lo		4/26				∅	
816	LK made non-Vocal displays as he joined									
	Other IDS in the feeding tree. PB				ES		QT JW made	Pant-bangs		

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	Context	Height T or G
746	AJ	10 sec						None							Unknown	G
744	LK	8 sec						none							Unknown	G
809	AJ	6 sec						None							Unknown	G

Copulation

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

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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 04 Month 12 Year 09 KPC SJ Others SM KJ TW Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
820	PB grooming	LR.								
821	LR grooming	PB.								
823	Mutual	grooming	PB ⟷ LR							
826	Chan	grooming	PB → LR → ES							
830	LK AJ ES PB PG	LR QT	LO QV	En	B/27	✓	FCP	RF	MGB	
845	LK AJ ES PB PG	LR QT	LO QV	En	"	✓	FCP	RF	MGB	
900	LK AJ ES PB PG	LR QT	LO QV	En	"	✓	"	"	MGB	
915	LK AJ ES PB PG	LR QT	LO QV	En	B/27	✓	"	"	∅	
930	LK AJ ES PB PG	LR QT	LO QV	En	"	✓	"	"	∅	
"	QT grooming PB									
945	LK AJ ES PB PG	LR QT	LO QV	En	B/27	✓	FCP	RF	∅	
1000	LK AJ ES PB PG	LR QT	LO QV	En	"	✓	"	"	∅	
1004	PB grooming QT									
1010	LR entered into an old day nest Tree of									
	nest CBU Height 16m.									

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	Context	Height T or G

Copulation

Time	Duratio	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

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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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1012 AJ makes a day nest, in the feeding tree, Height 30m

KPC Behavior

Day 04 Month 12 Year 09 KPC SI Others SMKJTW Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1014	mutual	grooming	PB ⟷ QT							
1015	LK AJ PG ES PB	LR QT	LO: QV	EU	B/27	✓	FCP	RF	∅	
1027	PG chased QT and she fled									
1030	LK AJ PG ES PB	LR QT	LO QV	EU	B/27	✓	FCP	RF	∅	
1045	LK AJ PG ES PB	LR QT	LO QV	EU	"	✓	"	"	∅	
1047	some IDs climbed down from the feeding tree									
1050	Handclasp mutual groom PG ⟷ PB									HCG
1052	Cham groom	QT → PG → PB								
1053	QT and PB both groom PG.									
1058	EU grooming	ES								
1100	LK AJ PG ES PB	LR QT	LO QV	EU	B/27	✓	FCP	RF	∅	
1104	AJ left his day nest									
1106	LR left her day nest									
1108	LK grooming	AJ								
1114	AJ grooming LK.									

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

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

Copulation

Time	Duratio	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

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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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KPC Behavior

Day 04 Month 12 Year 09 KPC SJ Others SM TW KJ Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1118	Handclasp mutual LK ⟷ AJ									Hcg
1119	LK grooming AJ after handclasp									
1123	AJ grooming LK									
1127	LK grooming AJ									
1130	LK AJ PG ES PB	LR QT	Lo Qv	Eu	B/27				∅	
1133	AJ grooming LK.									
1135	chimps separated									
1145	LK AJ				B/27				∅	
1153	LK grooming AJ									
1158	AJ grooming LK									
1200	LK AJ				B/27				∅	
1209	Handclasp Mutual groom LK ⟷ AJ								∅	Hcg
1210	AJ grooming LK after handclasp									
1215	LK AJ				B/27				∅	
1216	LK grooming AJ									

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	Context	Height T or G

Copulation

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

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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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KPC Behavior

Day 04 Month 12 Year 09 KPC SI Others SM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1228	LK feeding CAF YL									
1230	LK AJ				F/28	✓	CAF	YL	∅	
1245	LK AJ				"	✓	"	"	∅	
1300	LK AJ				G/S	✓	THV	THV	∅	
1315	LK AJ				S/C	✓	"	"	∅	
1320	AJ grooming	LK								
1326	Handclasp mutual groom				LK	⇄		AJ		Hcg
1327	LK grooming AJ after handclasp.									
1330	LK AJ				G/S				∅	
1340	AJ feeding on PHy									
1344	Other IDs faned the party without making any									
	Calls.									
1345	PB PG ES LK PG AJ	QT	QV	EU	S/28	✓	THV	THV	∅	
1346	ES approach pant-grunt to				AJ	and he ignored				PTG
1347	QT approach pant-grunt and				Extend hand to					PTG AJ

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

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

Copulation

Time	Duratio	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

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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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and he ignored

KPC Behavior

Day 04 Month 12 Year 09 KPC SJ Others SM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1353	PG approach and groom AJ									
1358	LK made non-vocal displays chased									
	PB and he fled screaming climbing a									
	tree.									
1400	LK AJ PG PB ES	QT	QV	EM	S/28	✓	THV	THV	∅	
1402	PB grooming AJ									
1410	LK made non-vocal displays chased PB									
	and he fled pant barking									
1412	LK made non-vocal displays towards									
	AJ and AJ fled screaming, then LK continued									
	making displays chase PG and he fled									
	screaming.									
1415	LK AJ PG PB ES	QT	QV		S/28	✓	THV	THV	∅	
1430	LK AJ PG PB ES	QT	QV	EM	"	✓	THV	THV	∅	
1431	AJ grooming LK									

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

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	No	Response of Victim Av	Submission	Tn	Rt	RA	Context	Height T or G
1358	LK		10sec	5sec				PB		F	Screaming				Unknown	G
1410	LK		5sec	5sec				PB		F	Pant-barking				Unknown	G
1412	LK		12sec					AJ		F	Scream				Unknown	G
1412	LK		5sec	5sec				PG		F	Scream				Unknown	G

Copulation

Time	Duratio	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

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KPC Behavior

Day 04 Month 12 Year 09 KPC SJ Others SM Found MEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1434	Handclasp	Mutual groom	LK ↔	AJ						Hcg
1435	LK groom AJ after handclasp.									
1445	LK AJ PG PB ES	QT	QV	EU	S/K	✓	THV	THV	∅	
1500	LK AJ PG PB ES	QT	QV	EU	"	✓	"	"	∅	
1508	LK inspected QT by touch on estrous and smell on the fingers then LK groom QT									
1515	LK AJ PG PB ES	QT	QV	EU	S/K	✓	THV	THV	∅	
1518	ES approach Pant-grunt to AJ and he ignored									PTG
1528	LK groom AJ									
1530	LK AJ PG PB ES	QT	QV	EU.	S/K	✓	THV	THV	∅	
1545	LK AJ PG PB ES	QT	QV	EU	"	✓	"	"	∅	
1600	LK AJ PG PB ES	QT	QV	EU	S/K	✓	"	"	∅	
1602	AJ/LK feeding on brown tree roots.			SOIL from the fallen						SOIL
1605	Chain groom LK → QT → AJ									

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	Context	Height T or G

Copulation

Time	Duratio	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

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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 04 Month 12 Year 09 KPC 5J Others 5M Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1605	PG and PB left the Party									
1615	LK AJ ES	QT	QV	EU	K/JG	✓	THV	THV	∅	
1629	Chimps	climbed into	FOT		fw	feeding			RF	
1630	LK AJ ES	QT	QV	EU	BFP KRD	✓	FOT	RF	∅	
1645	LK AJ ES	QT	QV	EU	"	✓	"	"	∅	
1700	LK AJ ES	QT	QV	EU	"	✓	"	"	∅	
1715	LK AJ ES	QT	QV	EU	"	✓	"	"	∅	
1729	LK AJ ES	QT	QV	EU						
1730	LK AJ ES	QT	QV	EU	KRD BFP	✓			∅	
1733	AJ feeding on	brown	soil							SOIL
1739	LK climbed	into COA	for	feeding						
1745	LK AJ ES	QT	QV	EU	BFP KRD	✓	COA	RF	∅	
1800	LK AJ ES	QT	QV	EU	"	✓	COA	RF	∅	
802	LK left the	feeding	tree							
802	it started	raining								

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

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

Copulation

Time	Duratio	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 04 Month 12 Year 09 KPC ST Others SM Found NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1807	LK makes a night nest, Tree of nest									
	TEC, Height 6m. DBH 12cm									
1814	AJ. makes a night nest, Tree of nest									
	Diospyrous, Height 14m DBH 18cm.									
1815	AJ LK ES	QT	QV	En	KRD BFP				Ø	
1820	OBS left the nest site.									

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

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

Copulation

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