DAY 04 MONTH 08 YEAR 09 OBS-PC SJ TMF/40 SM PM KJ TW 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	GL	TA	GRID	MNK	SP	PT
5:45																																																
6:00																																																	
6:15																			X	X	X		X	X				X	X															X	X	K/23	None	FNA	RF
6:30																			X	X			X	X				X	X															X	X				
6:45																			X	X			X	X				X	X															X	X				
7:00																			X	X			X	X				X	X															X	X				
7:15																			X	X			X	X				X	X		X													X	X				
7:30																			X	X			X	X				X	X		X													X	X				
7:45																			X	X			X	X				X	X		X													X	X				
8:00																			X	X			X	X				X	X		X													X	X				
8:15																			X	X			X	X				X	X		X													X	X			FNA	RF
8:30																			X	X			X	X				X	X		X													X	X			FHV	FHV
8:45																			X	X			X	X				X	X		X													X	X			—	—
9:00																			X	X			X	X				X	X															X	X			FBR	UF
9:15																			X	X			X	X				X	X															X	X	K/23		—	—
9:30																			X	X			X	X				X	X															X	X	K/24		—	—
9:45																			X	X			X	X				X	X															X	X			—	—
10:00																							X	X																					X				—	—
10:15																							X	X																					X				—	—
10:30																							X	X																					X				—	—
10:45																							X	X																					X		K/24		—	—
11:00																							X	X																					X		K/23		—	—
11:15																							X	X																					X		K/24		FBR	RF
11:30																							X	X																					X			None	"	"
11:45																							X	X																					X			BWC	"	"
12:00																							X	X																					X			"	"	"
12:15																							X	X																					X			"	"	"
12:30																							X	X																					X		K/24	"	—	—
12:45																																																		
	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	GL	TA				
13:00																																																	
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15:15																																																	"	"
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16:15																																																	—	—
16:30																																															K/23		FBR	YL
16:45																																																"	"
17:00																																																		"	"
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17:30																																																		—	—
17:45																																																		CAF	YL
18:00																																																			"	"
18:15																																																			"	"
18:30																																																	K/23	None	—	—
18:45																																																			
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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	GL	TA	GRID	MNK	SP	PT
Health																																																	

COMMENTS 1233 OBS first abandoned the chimps and went for the meeting.

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

LR→① TG→① OG→① KPC Behavior AL→① OT→①

DAY 04 MONTH 08 YEAR 09 KPC SJ OTHERS SM FM MG TW FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
608	OBS arrive at nest site									
610	some IDs left the nest and entered into the feeding tree. (FNA)									
615		TG OG AL OT	TT OG AZ AT	TS OM OL TD AN	L/800	✓	FNA	RF	∅	
630		TG OG AL OT	TT OG AZ AT	TS OM OL TD AN	"	✓	"	"	∅	
645		TG OG AL OT	TT OG AT AZ	TS OM OL TD AN	"	✓	"	"	∅	
658	OG made non-vocal displays toward TS she screamed and made wrap-bars and arm wave, then TT approached and OG fled silent.									
700		TG AL OG OT	TT OG AT AZ	TS OM OL TD AN	L/800	✓	FNA	RF	∅	
702	LR (Lo) joined the party without making any calls.									
708	TT chased TS A & she fled screaming. Then TG approach chased TT and he 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
658	OG		5sec					TS			screamed				Unknown.	T
708	TT			4sec				TS		P	Screaming				Unknown	T
708	TG			4sec				TT		F	Screaming				Protection	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; **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; **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?)
ELE: Elephants; **SOIL:** Eating red soil

KPC Behavior

DAY 04 MONTH 08 YEAR 09 KPC SJ OTHERS SM FM KJ TW FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
709	TT chased TS and made attack (1) to her with slaps	TS screamed and retaliated by also exchanging slaps then TG intervened making wave-barks and chased TT and he fled screaming.								
715		TG AL LR OU OT	TT AZ LO AT OG	TS OM OL TD AN	L/800	✓	FNA	RF	∅	
730		TG AL LR OU OT	TT AZ LO AT OG	TS OM OL TD AN	"	✓	"	"	∅	
745		TG AL LR OU OT	TT AZ LO AT OG	TS OM OL TD AN	L/800	✓	"	"	∅	
750	LR (Lo)	climbed down from the feeding tree followed by OU and family moved into THV								
800		TG AL OU OT	TT AZ AT OG	TS OM OL TD AN	L/800	✓	FNA	RF	∅	
808	TG (TD)	climbed down from the feeding tree								
815		TG AL OU OT	TT AZ AT OG	OL TS OM TD AN	L/800				∅	
821	TT feeding on PEN			(PITH)						
830		TG AL OU OT	TT AZ OG AT	OL TS AN OM TD	L/800	✓	THV	THV	∅	

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
709	TT		2sec	4sec	✓			TS			screamed		✓		Unknown	T
709	TG			3sec				TT		F	screaming				protection	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; **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; **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?)
ELE: Elephants; **SOIL:** Eating red soil 859 LR (Lo) out of the party

KPC Behavior

DAY 04 MONTH 08 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
845		TG OU AL OT	OG AT AZ TT	Om OL TS TD	K 1200				∅	
"	Chimps	climbed into FIG for feeding YL ai								
856	UF Distant	calls heard from			North of Milcana,					
	and the	focal individuals didn't respond.								
900		OU AL TG OT	OG AT AZ TT	Om OL TS TD	K 1200	FIG		UF YL	∅	
901	OU grooming OG									
913	Chimps climbed	down from FIG and start								
	ted travelling.									
915		OU AL TG OT	OG AT AZ TT	Om OL TS TD						
917	TT Playing with	Om by tickling and bite								
918	TT Playing with	TS by biting each other.								
930		OU AL TG OT	OG AT AT TT	Om OL TS TD	K WST				∅	
935	OT Playing with	TS By Patting at each other								
940	TT Playing with	TS by patting	each other							

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; **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; **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?)
ELE: Elephants; **SOIL:** Eating red soil

KPC Behavior

DAY 04 MONTH 08 YEAR 09 KPC ST OTHERS SM AG FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
941	TG grooming TS									
945		TG OU AL OT	TT AT AZ DG	TSTD AN OM OL	K/WST				∅	
945	TS grooming TT									
946	TG grooming TT									
948	TS groom TG									
949	TS grooming TT									
950	chain groom TG → TT → TS									
955	TT grooming TG. after chain									
956	OU and AL plus their families left the party									
1000		TG	TT	TS TD	K/WST		-		∅	
1001	TS grooming TG									
1015		TG	TT	TSTD	K/WST				∅	
11	TT grooming TS									
1030		TG	TT	TSTD	K/WST				∅	

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; **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; **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?)
ELE: Elephants; **SOIL:** Eating red soil

KPC Behavior

DAY 04 MONTH 08 YEAR 09 KPC SJ OTHERS SM AS AG FOUND NEST.

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1037	TG grooming TD									
1038	TG grooming TS									
1045		TG	TT	TSTD	#/WST				∅	
1100		TG	TT	TSTD	#/1100					
1103	Chimps climbed into FBR									
1106	Chimps started feeding FBR (RF) Making food									FBK
	grunts.									
1115		TG	TT	TSTD	F/1000	✓	FBR	RF	∅	
1130		TG	TT	TSTD	F/1000	✓	"	"	∅	
1145		TG	TT	TSTD	F/1000	✓	"	"	BWC	
1153	TT Makes a day nest. Tree of nest								CSH	
	Height = 16m.									
1200		TG	TT	TSTD	F/1000	✓	FBR	RF	BWC	
1215		TG	TT	TSTD	"	✓	"	"	BWC	

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

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KPC Behavior

DAY 04 MONTH 08 YEAR 09 KPC SJ OTHERS SM AS FOUND NEST

Time	Party Composition: AMM	AFF (Include estrous)	JMM | JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
1230		TG	TT TSTD	F/1000				BWC	
1233	OBS abandoned the clumps with other OBs and went for the meeting								
1458	OBS again found the same OBs at the same location feeding URH (RF)								
1459	It started raining								RN
1500		TG	TT TSTD	F/1100	✓	URH	RF	∅	
1515		TG	TT TSTD	"	✓	"	"	∅	
1520	It stopped raining.								
1530		TG	TT TSTD	F/1100	✓	URH	RF	∅	
1545		TG	TT TSTD	"	✓	"	"	∅	
"	TT grooming TS								
1600		TG	TT TSTD	F/1100	✓	URH	RF	∅	

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

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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; **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?)
ELE: Elephants; **SOIL:** Eating red soil

KPC Behavior

DAY 04 MONTH 08 YEAR 09 KPC SS OTHERS SM TW AS FOUND NEST

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1604	TG feeding on Red soil from fallen tree roots									SOIL
1609	TG grooming TT									
1609	TS feeding on Red soil from fallen tree root									SOIL
1611	TT grooming TG									
1612	TT and TS both groom TG.									
1613	TG grooming TT.									
1618		TG	TT	TS ID	H/1100				∅	
1619	TG feeding CAF YL-									
1625	TT made food as he climbed into							FEX		FBK
1629	TG (ID) left CAF and moved into							FEX	for feeding (YL)	
1630		TG	TT	TS ID	H/1000	✓	FEX	YL	∅	
1637	it started drizzling									RN
1645		TG	TT	TS ID	H/1000	✓	FEX	YL		
1646	it stopped Drizzling									RN
1700		TG	TT	TS ID	H/1000	✓	FEX	YL	∅	
1711	TS grooming TT									
1715		TG	TT	TS ID	H/1000				∅	
1716	TG (ID) left the feeding tree									

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

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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 08 YEAR 09 KPC ST OTHERS SMTWAS FOUND NEST.

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1730		TG	TT	TSTD	M/100				∅	
1736	TG (ID) TT and TS climbed into CAF for feeding									
1742	TG made arm threat to TT and TT fled screaming climbing down the feeding tree									
1745		TG	TT	TSTD	J/900	✓	CAF	YL	∅	
1759	TG entered into an old night nest, Tree of nest Olea, Height 24 m, DBH 56 cm.									
1800		TG	TT	TSTD	J/900	✓	CAF	YL	∅	
1804	TT entered into an old night nest and started improving it, Tree of nest CAF, Height = 15M,									
1815		TG	TT	TSTD	J/900	✓	CAF	YL	∅	
1825	TS entered into an old nest and improved it, Tree of nest Olea, Height 26m DBH. 56 cm									
1830		TG	TT	TSTD	J/900				∅	
1833	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						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?)