DAY 28 MONTH 02 YEAR 09 OBS-PC SJ TMF/40 SM TW MK 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	GRID	MNK	SP	PT
Estrus																						3						1							1												
5:45																																															
6:00																																															
6:15																																															
6:30																																															
6:45																																															
7:00	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X			X	X	X	X	X			X	X						X	X		P/21	—	—	—
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		"	—	—	—
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		"	—	THV	THV
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		"	—	"	"
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		P/21	—	THV	THV
8:15									X														X	X	X																	X	X		"	—	"	"
8:30									X														X	X	X																	X	X		"	—	TRI	YL
8:45	X			X					X														X	X	X																	X	X		"	—	TRI	YL
9:00	X			X																			X	X	X																	X	X		P/21	—	—	—
9:15	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		"	—	—	—
9:45	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	—	THV	THV
10:00	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		P/21	—	THV	THV
10:15	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		"	—	↑	↑
10:45	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		P/21	—	↑	↑
11:15	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		"	—	↑	↑
11:45	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		P/21	—	↑	↑
12:15	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		"	—	↑	↑
12:45	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	—	THV	THV
	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				
13:00	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		P/21	—	THV	THV
13:15	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		"	RDC	↑	↑
13:45	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	"	THV	THV
14:00	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		P/21	—	—	—
14:15	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	RDC	THV	THV
14:30	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	"	↑	↑
14:45	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		P/21	RDC	↑	↑
15:15	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		"	"	↑	↑
15:45	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		P/21	RDC	↑	↑
16:15	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		"	"	↑	↑
16:45	X	X	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																	X	X		P/22	RDC	THV	THV
17:15	X	X	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																	X	X		"	"	↑	↑
17:45	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		P/22	RDC	↑	↑
18:15	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		"	"	THV	THV
18:45	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	RDC	FBR	RF
19:00	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		P/22	—	—	—
19:15	X	X	X	X	X	X	X	X	X	X	X	X											X	X	X																	X	X		"	—	—	—
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	GRID	MNK	SP	PT
Health	1	1	1	1	1	1	1	1	3	1	1	1											1	1	1			1	1	1	1	1			1							1	1					

COMMENTS 1520 PG was seen passing out watery stool.

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 → (3) WL → (1) LR → (1) AL → (1)

KPC Behavior

DAY 29 MONTH 02 YEAR 09 OBSERVER ST 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
658	OBS arrive at		nest	site						
700	MS KK BB AJ TU KK ST YB PG ES TJ PB	AL TG LR WL	AT AZ TT WC LO	TS NP EU	R/12 PKB				Ø	
709	Tu left the		night nest							
715	MS KK BB AJ TU KK ST YB PG ES TJ PB	AL TG LR WL	AT LO AZ TT WC	TS NP EU	R12 PKB				Ø	
718	some IDS	feeding	tw	THV.						
730	MS KK BB AJ TU KK ST YB PG ES TJ PB	AL TG LR WL	AT LO AZ TT WC	TS NP EU	R12 PKB	✓	THV	THV	Ø	
745	MS KK BB AJ TU KK ST YB PG ES TJ PB	AL TG LR WL	AT LO AZ TT WC	TS NP EU	"	✓	"	"	Ø	
752	LR approach	pant-grunt	and	groom					PG	PTG
753	Handclasp	Mutual groom		LR ⇄				PG		HCG
754	Mutual	groom	after	handclasp				LR ⇄		PG
800	MS KK BB AJ TU KK ST YB PB PG ES TJ	AL TG LR WL	AT LO AZ TT WC	TS NP EU	R/12 PKB	✓	THV	THV	Ø	
805	NP seen	feeding	on	a comb	of	a	bee.			
806	TT chassed	NP and	NP	retaliated	by	making	an			
	attack (1)	to TT	with	a kick	while	NP	was	screaming		
	then TT	fled	silent							
813	Copulation	female	approach	8 sec		with		screams		CP
	and dart	TG → PG								
815	PG	TG	TT	NP TS EU	R12 PKB	✓	THV	THV	Ø	
819	chimps	separated								
819	TG TT and	TS	feeding	TR1 YL						

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 28 MONTH 02 YEAR 09 OBSERVER SJ 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
830	Pg	Tg	TT	TS Eu	R12 PKB	✓	TR1	YL	Ø	
833	Distant calls heard from west of K-31 and Eu made screams.									
838	Distant calls heard from ~~south~~ west of K-31 and Tg TT and TS responded with wear-barks.									
841	ST and AJ joined the party making joint non-vocal displays towards Tg and she fled pant-barking climbing up a tree.									
845	ST AJ Pg	Tg	TT	TS Eu	R12 PKB	✓	TR1	YL	Ø	
856	Distant calls heard from west of K-31 and Tg TT TS responded with pant-hoots.									
900	ST Pg AJ	Tg	TT	TS Eu	R12 PKB				Ø	
915	Others individuals joined the party LK made non-vocal displays AJ fled silent climbing a tree Tg and others made pant-barks.									
915	LK Pg PB A JYB ES ST KK MS TU BB	Tg	TT	TS Eu	R12 PKB				Ø	
919	Copulation Mutual approach 8 sec Tg ⇆ Pg with screams and no dart.									CP
927	Tg grooming herself.									
930	LK Pg TJ AJ PB YB MS ST KK BB TU ES	Tg	TT	TS Eu	R12 PKB				Ø	

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KPC Behavior

DAY 28 MONTH 02 YEAR 09 OBSERVER SJ 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
930	LK grooming AJ									
931	Chumps feeding THV.									
935	AJ grooming LK									
941	Someone made non-Vocal displays and buttress									
	bungs and TG made pant-bangs									
943	Copulation male approach 6sec				BB → TG					CP with
	Scream no dart.									
945	MS LK BB ST AJ TU LK LK PG PB ES TU YB	TG	TT	TS Eu	R12 PKB	✓	THV	THV	∅	
"	Copulation male approach 8sec				LK → TG					CP no Scream
	and no dart.									
1000	MS LK BB AJ TU LK ST PG YB PG PB TJ ES	TG	TT	TS Eu	R12 PKB	✓	THV	THV	∅	
1015	MS LK BB AJ TU LK ST PG YB PG PB TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	
1030	MS LK BB AJ TU LK ST PG YB PG TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	
1045	MS LK BB AJ TU LK ST PG YB PG TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	
1100	MS BB LK AJ TU LK ST PG YB PG TJ ES	TG	TT	TS Eu	R4 PKB	✓	"	"	∅	
1115	MS LK BB AJ TU LK ST PG YB PB TJ ES	TG	TT	TS Eu	R4 PKB	✓	"	"	∅	
1130	MS LK BB AJ TU LK ST PG YB PB TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	
1145	MS LK BB AJ TU LK ST PG YB PB TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	
1200	MS LK BB AJ TU LK ST PG YB PB TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	
1215	MS LK BB AJ TU LK ST PG YB PB TJ ES	TG	TT	TS Eu	"	✓	"	"	∅	

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 28 MONTH 02 YEAR 09 OBSERVER SJ SM TW MK 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						
1230	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	R11/PKB	✓	THV	THV	∅	
1245	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	11	✓	11	11	∅	
1300	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	11	✓	11	11	∅	
1315	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	11	✓	11	11	∅	
1330	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	R11/PKB	✓	11	11	RDc	
1345	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	11	✓	11	11	RDc	
1402	MS KK BB AJ ST TU LK PG ES PB TJ YB	TG	TT	TS Eu	R11/PKB	✓	11	11	RDc	
1414	MS grooming KK									
1415	MS KK BB AJ ST TU LK YB PG ES TJ PB	TG	TT	TS Eu	F/R11	✓	THV	THV	RDc	
1420	KK grooming himself									
1430	MS KK BB AJ ST TU LK YB PG ES TJ PB	TG	TT	TS Eu	F/R11	✓	THV	THV	RDc	
1431	KK grooming PG									
1433	Handclasp Mutual groom			PG	⟷		KK			HCG
1434	Mutual groom after handclasp				PG	⟷	KK			
1436	PG grooming KK									
1437	KK grooming PG									
1445	MS KK BB AJ ST TU LK PG YB PB ES TJ	TG	TT	TS NP Eu	F/R11	✓	THV	THV	RDc	
1500	MS KK BB AJ ST TU LK PG YB PB ES TJ	TG	TT	TS NP Eu	11	✓	THV	THV	RDc	
1506	PG grooming KK									
1510	PB grooming PG									

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 28 MONTH 02 YEAR 09 OBSERVER ST SM TW MK 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						
1510	KK grooming AJ									
1511	Handclasp	mutual	groom	PG ⟷ PB						HCG
1513	Mutual groom after handclasp				PG ⟷ PB					
1514	Handclasp	with a branch		PB ⟷ PG						HCG
1514	PG grooming PB	after	Handclasp				groom			
1515	MS KK AJ BB ST TU LK YB PG ES TJ PB	TG	TT	TS EU	F/R11	✓	THV	THV	RDC	
1515	Handclasp	Mutual groom		KK ⟷ AJ						HCG
1516	PG grooming himself									
11	AJ grooming KK after handclasp									
1520	PG seen	passing out	soft	stool	some how					
	waterly									
1530	MS KK AJ BB ST TU LK YB PG ES TJ PB	TG	TT	TS EU	F/R11	✓	THV	THV	RDC	
1531	KK made vocal displays and buttress bangs and others									
	made wash-bangs.									
1545	MS KK AJ BB ST TU LK YB PG ES TJ PB	TG	TT	TS EU	F/R11	✓	THV	THV	RDC	
1600	MS KK AJ BB ST TU LK YB PG ES PB TJ	TG	TT	TS EU	F/R11	✓	THV	THV	RDC	
1613	KK feeding on TRI YL									
1615	MS KK AJ BB ST TU LK YB PG ES PB TJ	TG	TT	TS EU	F/R11	✓	THV	THV	RDC	
1630	MS KK AJ BB ST TU LK YB PG ES PB TJ	TG	TT	TS EU	D/R8	✓	THV	THV	RDC	
1645	MS KK AJ BB ST TU LK YB PG ES PB TJ	TG	TT	TS EU	D/R8	✓	THV	THV	RDC	

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 28 MONTH 02 YEAR 09 OBSERVER SJ SM TW MK 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						
1700	MS KK BB AJ ST TU LK YB PG ES TJ PB	TG	TT	TS EU	D/RS	✓	THV	THV	RDC	
1715	MS KK BB AJ ST TU LK YB PG ES TJ PB	TG	TT	TS EU	D/RS	✓	THV	THV	RDC	
1730	MS KK BB AJ ST TU LK YB PG ES TJ PB	TG	TT	TS EU	D/RS	✓	THV	THV	RDC	
1738	KK feeding on TRE YL									
1745	MS KK BB AJ TU ST LK YB PG ES TJ PB	TG	TT	TS EU	D/RS	✓	THV	THV	RDC	
1800	MS KK BB AJ TU ST LK YB PG ES TJ PB	TG	TT	TS EU	D/RS	✓	THV	THV	RDC	
1815	MS KK BB AJ TU ST LK YB PG ES TJ PB	TG	TT	TS EU	D/RS	✓	THV	THV	RDC	
1830	MS KK BB AJ TU ST LK YB PG ES TJ PB	TG	TT	TS EU	"	✓	"	"	RDC	
1843	TG climbed into FBR for feeding									
1845	KK BB ST AJ PG ES	TG	TT	TS EU	RS/E	✓	FBR	RT	RDC	
1848	PG feeding on brown soil from an ant-hill									
1855	BB and ST feeding on brown soil from an elephant foot-print									
1900	KK BB ST AJ PG ES	TG	TT	EU TS	RS/RB				∅	
1911	TG Makes a night rest, Tree of rest Dyospyrous Height 18m DBH 26cm									
1912	AJ									
1915	KK BB ST AJ PG ES	TG	TT	EU TS	RS/RB				∅	
1917	ST Makes a night rest, Tree of rest LWC Height 12m DBH 36cm									

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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

1750 Chimps Separated

1920 OBS leaving the nest Site