DAY 09 MONTH 01 YEAR 09 OBS-PC ST TMF/40 SM KJ IC MK HOW FOUND NEST

	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	JK	HH	LS	NP	EU	GRID	MNK	SP	PT
Estrus														1					2		2																											
5:45																																															
6:00																																														
6:15																																														
6:30																																														
6:45																																														
7:00	X						X	X		X																						X	X			X	X		X	X		P/25	None	FOX	RF
7:15	X						X	X		X																						X	X			X	X		X	X		"		"	"
7:30	X						X	X		X																						X	X			X	X		X	X		"		—	—
7:45	X						X							X	X	X																X	X			X	X		X	X		P/25		—	—
8:00							X																									X	X			X	X		X	X		O/25		—	—
8:15							X																									X	X			X	X		X	X		N/25		FBR	RF
8:30							X																									X	X			X	X		X	X		"		—	—
8:45						X	X																									X	X			X	X		X	X		M/25		—	—
9:00						X	X		X																							X	X			X	X		X	X				FNA	RF
9:15						X	X		X																							X	X			X	X		X	X				"	"
9:30						X	X		X																							X	X			X	X		X	X				"	"
9:45						X	X		X																							X	X			X	X		X	X		M/25		"	"
10:00						X	X		X																							X	X			X	X		X	X		L/25		—	—
10:15						X	X		X																							X	X			X	X		X	X		"		—	—
10:30							X																																			L/24		—	—
10:45							X																																					—	—
11:00							X																																					—	—
11:15							X																																					—	—
11:30							X																																					—	—
11:45							X																																			L/24		—	—
12:00							X																																			K/24		DIFV	RF
12:15							X																																					"	"
12:30							X																									X												—	—
12:45							X																									X											K/24	None	—	—
	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	JK	HH	LS	NP	EU				
13:00							X																									X											K/24	None	—	—
13:15							X																									X												—	—
13:30				X			X					X																				X											K/24	—	—
13:45				X			X					X																				X											K/25	—	—
14:00				X			X					X																				X												—	—
14:15				X			X					X																				X												—	—
14:30				X			X					X																				X											K/25	TITV	TITV
14:45				X			X					X																				X											J/25	T.O	YL
15:00				X			X					X																				X												"	"
15:15				X			X					X																				X												TITV	TITV
15:30				X			X					X																				X											J/25	"	"
15:45				X			X					X																				X											J/24	UCH	RF
16:00				X			X												X		X											X												—	—
16:15				X			X												X		X											X												—	—
16:30				X			X												X		X											X												PAP	DIFV
16:45				X			X												X		X											X												"	"
17:00				X			X												X		X											X												"	"
17:15				X			X												X		X											X												"	"
17:30				X			X												X		X											X												"	"
17:45				X			X												X		X											X												"	"
18:00				X			X												X		X											X												"	"
18:15				X			X												X		X											X											J/24	"	"
18:30			X	X		X	X		X										X		X											X											H/25	TITV	TITV
18:45			X	X		X	X		X										X		X											X												FST	RF
19:00			X	X		X	X		X										X		X											X												—	—
19:15			X	X		X	X		X																				X	X	X											H/25	URH	RF
19:30			X	X		X	X		X																				X	X	X											J/25	None	—	—
19:45																																														
20:00																																														
20:15																																														
20:30																																														
	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	JK	HH	LS	NP	EU	GRID	MNK	SP	PT
Health																																														

COMMENTS No monkeys encountered during the observation

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

QT → ① LR → ① WL → BU → ① BL → ①

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER STSMK MNK KG 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
649	OBS arrive at nest site, found chimps already out of nests & resting on the ground.									
658	chimps climbed into FEX # 0/1& and Others separated from the group									
700	ST LK KK ES	QT LR WL	QV LO WC	EU NP	A/S	✓	FEX	RF	∅	
715	ST LK KK ES	QT LR WL	QV LO WC	EU NP	"	✓	"	"	∅	
715	KK Makes Vocal displays and buttress bangs and Others made, Pant-hoots ES made non-Vocal displays in the feeding tree, then WL LR QT all chased ES making Waaw-barks and ES fled screaming									
719	QT climbed down from FEX.									
726	ES climbed down from the feeding tree									
729	WL approach Pant-grunts to KK and he ignored									PTG
730	KK LK ES ST	QT LR WL	QV WC LO	NP EU	A/S				∅	
"	KK Makes Vocal displays and buttress bangs and Others didn't respond.									
732	ES Makes Vocal displays and buttress bangs									

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

and Others made Waaws.

732 Chimps Climbed Into FEX and Others separated at same time joining Others

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER SJ SM KJ TWIC 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
742	KK made attack ① to NP with with a slap									
	and NP fled screaming.									
744	chimps climbed down from FEX.									
745	ST KK	BL BV WL LR QT	BO QV LO WC	NP EU	PP/24				Ø	
752	WL Pant-grunt to KK and he ignored									
754	KK made vocal displays and buttress bungs									
	and others made waar-barks									
755	WL and NP Drink water from the stream									
758	LR and WL feed on brown soil from the hole									
759	QT feed on the red soil from the hole.									
800	KK	LR QT WL	QV LO WC	NP EU	T/2				Ø	
802	KK made vocal displays and buttress									
	bungs and others made waars									
804	LR arm threatened NP and she fled									
	screaming									
809	chimps climbed into FBR # 018									
815	KK	WL LR QT	LO QV WC	NP EU	6/KRC	✓	FBR	RF	Ø	
822	KK and others climbed down from the feeding									
	tree.									
830	KK	WL LR QT	LO QV WC	NP EU	8/16				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

750 Chimps separated

756 WL made arm threat to EU, she avoided casual screaming then NP mounted EU.

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER SJSM KJJM TW IC 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						
832	chimps joined others in FEX				at B/L					
833	KK made non-Vocal displays and buttress bangs WL made Pant-barks									
834	KK Made non-Vocal displays while on the ground, MS Made soft screams climbed down KK approached MS.									
840	NP drinking water from the stream.									
844	KK MS WC	LR QTWL	LO QV WC	NP Eu	R/B				∅	
846	chimps joined Pg, he made non-Vocal displays chassed WL and she fled screaming climbing a tree, and at the same time WL climbed down and extended a hand to Pg and Pg made a soft bill on									
900	MS KK LK Pg	LR QTWL	LO QV WC	NP Eu	R/Eu	✓	FNA	RF	∅	
903	Es joined the Party Eu and Others made Pant-hoots and Es also Made Pant-hoots									
914	Pg grooming himself									
915	MS ES KK LK Pg	LR QTWL	LO QV WC	NP Eu	R/Eu	✓	FNA	RF	∅	
918	Pg grooming MS.									
921	MS grooming Pg.									
924	Mutual groom MS ⇔ Pg									

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

836 KK made Vocal displays and buttress bangs and WL made Waans

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER ST SM KJ TW JM IC 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
925	Pg grooming MS									
926	WL approach MS and Pg while pant-grunting and she groomed Pg.									
930	MS KK LK Pg ES	LR QT WL	QV WC Lo	NP Eu	R/24	✓	FNA	RF	Ø	
"	KK grooming WL.									
935	Handclasp Mutual groom KK ⇄ WL									Hcg
937	KK grooming WL.									
941	LR Chassed NP in a feeding tree and she fled screaming.									
945	MS KK LK Pg ES	LR QT WL	QV WC Lo	NP Eu	R/24	✓	FNA	RF	Ø	
"	LR (Lo) and LK climbed down from FNA.									
847	all MS climbed down from FNA									
858	KK grooming MS.									
1000	LK Pg MS KK ES	WL LR QT	Lo QV WC	NP Eu	M/25				Ø	
"	LK grooming MS									
1001	Pg grooming MS									
1005	Handclasp Mutual groom MS ⇄ KK									
1008	Chain groom after handclasp KK → MS → Pg									
1013	~~MS~~ KK grooming MS after chain groom									
1015	LK MS Pg KK ES	WL LR QT	Lo QV WC	NP Eu	M/25				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

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER SJSMK TW MC 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						
1021	LK made	Vocal displays			KK		responded			with
	Pant-hoots.									
1024	LK KK and NP	Climbed into			FOT		KK and			LK
	made food barks.									
1030	LK KK			NP	WST CRD	✓			∅	
"	Distant calls heard from South of K-14									the
	focals didn't respond									
1039	Chimps climbed down from				FOT					
1045	LK KK			NP	WST CRD				∅	
1046	NP grooming herself.									
1100	LK KK			NP	WST CRD				∅	
1115	LK KK			NP	"				∅	
1130	LK KK			NP	"				∅	
1137	LK grooming himself									
1142	NP approached	LK for	grooming		and	LK	ignored			
1144	KK approached and groom LK									
1145	LK KK			NP	WST CRD				∅	
"	Handclasp	Mutual groom			KK ⟷ LK					HCG
1146	KK groom	LK after	handclasp							
1147	LK groom	KK								

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

1028 Some individuals separated from the party

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER ST SM KJ MK NJ 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
1154	Chimps climbed up for feeding URH RF									
1200	LK KK			NP	27/WST	✓	PHY	RF		
1208	LK chassed NP and she fled screaming while they were feeding PHY									
1215	LK KK			NP	27/WST	✓	PHY	RF		
1216	chimps joined LR (Lo) without making any calls									
1221	KK and NP feed on brown soil from an elephant foot print									
1230	KK LK	LR	Lo	NP	H/WST				Ø	
1245	KK LK	LR	Lo	NP	H/WST				Ø	
1300	KK LK	LR	Lo	NP	H/WST				Ø	
1315	LK KK	LR	Lo	NP	"				Ø	
1329	TJ and YB joined the party TJ made pant barks and others made pant-hoots									
1330	TJ KK LK YB	LR	Lo	NP	H/WST				Ø	
"	LR approach Pant grunt to YB and groom him									
1331	LK groom TJ									
1332	TJ groom LK									
1333	KK and LK groom YB									
1335	NP groom TJ									

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

1330 Handclasp clasp mutual groom YB ⇄ LR

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER ST SMK MK NJ 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						
1340	Handclasp	Mutual groom		KK ⟷		YB			∅	
1341	LR groom	LO								
1341	Chain groom	LK → YB → KK				KK				
1344	LK and KK both	groom	YB							
1345	KK YB LK	LR	LO	NP	H/WB				∅	
1347	YB groom	KK								
1347	Chain groom	LK → YB →			PG					
1350	YB groom	KK								
1353	KK groom	YB.								
1358	Handclasp	mutual groom		LK ⟷		YB				Hcg
1359	KK and LK	groom YB								
1400	KK YB LK	LR	LO	NP	H/WB				∅	
1402	Chain groom	LK → YB →	KK							
1410	KR groom	YB								
1415	KK LK YB	LR	LO	NP	H/WB				∅	
1418	Handclasp	Mutual	YB ⟷	KK					Hcg	
1419	TT approach	LR	She	Pant-grunted and						
	groomed	TT and	at the	same time	TT	made				
	a small	bite on	LR.							
1421	Some IDs	feed on	THV							

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 09 MONTH 01 YEAR 09 OBSERVER ST SM KT MK NT 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						
1428	LK grooming YB									
1430	TJ KK YB LK	LR	Lo	NP	H/WB	✓	THV	THV	Ø	
1430	KK grooming himself.									
1431	YB grooming LK									
1433	Handclasp	Mutual groom	YB	⟷ LK						Hcg
1434	Handclasp	mutual groom	LR	⟷ KK						Hcg
1435	YB groom LK after handclasp									
1436	LK groom YB									
1438	Mutual groom after handclasp					KK	⟷		LR	
1439	LK YB made Vocal displays		KK	Joined them						
	with Vocal displays and buttress bows.									
1445	LK KK YB	LR	Lo	NP	3E/WB	✓	TIO	YL	Ø	
1500	LK KK YB	LR	Lo	NP	V	✓	TIO	YL	Ø	
1503	LK made arm threat to			NP	and	she	avoid			
	Casual screaming									
1503	LR grooming KK									
1503	LK grooming YB									
1507	YB grooming LK									
1509	Handclasp	Mutual groom	LK	⟷ YB						Hcg
1510	YB groom	LK								

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

1440 TJ out of the party

OT → ② OU → ②

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER STSM KJ MK NJ 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
1515	KK LK YB	LR	Lo	NP	3E/WB	✓	JHV	JHV	Ø	
1530	KK LK YB	LR	Lo	NP	3E/WB		JHV	JHV	Ø	
1545	Chimps climbed into URH for feeding									RF
1545	KK YB LK	LR	Lo	NP	7E/WB	✓	URH	RF	Ø	
1556	chimps joined OU family, LK made non-vocal									
	displays OU fled climbing a tree making pant									
	barks									
1600	KK LK YB	LR OU	Lo OG	NP OT OM	7E/WB				Ø	
"	OG grooming YB									
1602	LK inspected OU by touching her estrous									
1604	OU grooming KK									
1607	LR inspect OU by smelling on her estrous									
1615	KK LK YB	LR OU	Lo OG	NP OT OM	7E/WST				Ø	
"	KK feeding on brow soil from a tree roots									
1621	chimps entered into a swamp for feeding on PAP									
1630	KK LK YB	LR OU	Lo OG	NP OT OM	7E/WST	✓	PAP	PHK	Ø	
1645	KK LK YB	LR OU	Lo OG	NP OT OM	"	✓	"	"	Ø	
1700	KK LK YB	LR OU	Lo OG	NP OT OM	"	✓	"	"	Ø	
1715	KK LK YB	LR OU	Lo OG	NP OT OM	"	✓	"	"	Ø	
1730	KK LK YB	LR OU	Lo OG	NP OT OM	"	✓	"	"	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

AL → (1)

KPC Behavior

DAY 09 MONTH 01 YEAR 09 OBSERVER STSM MK NJ 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
1900	MS KK BB LK YB PG ES	OU LR	LO OG	NP OT OM	WS/CR				Ø	
1903	KK feed on soil from the									Eatin
	tree by termites									
1904	Distant	Calls heard from			East of				K-15	
	the focal	OBS responded with					Pant-hoots			
1904	Chimps	Climbed up for feeding			URH				Marking	
	food bend									
1910	AL joined the party									
1915	LK KK BB MS YB PG ES	OU LR AL	LO OG AZ AT	NP OT OM	WS/CR		URH	RF	(1)	
1921	LK Makes a night nest,				Height		12m			
1930	MS KK BB LK YB PG ES	OU LR AL	LO OG AZ AT	NP OT OM	DS/MB				Ø	
1938	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