DAY 7 MONTH SEP YEAR 2009 OBS-PC KJ TMF/40 SJ AG HOW FOUND N

	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	OF	AV	GRID	MNK	SP	PT
Estrus													311						112									1			1																			
5:45																																																	
6:00																																																	
6:15																																																	
6:30	X	X	X	X			X	X	X	X	X	X	X	X					X	X	X	X						X	X	X													X	X	X	L126		—	—
6:45	X	X	X	X			X	X	X	X	X	X	X	X					X	X	X	X						X	X	X													X	X	X	L126		—	—
7:00	X	X	X	X			X	X	X	X	X	X	X	X					X	X	X	X						X	X	X													X	X	X	L127		FBR	RF
7:15	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				
7:45	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				
8:15	X	X	X	X			X	X	X	X	X	X	X	X					X	X	X	X						X	X	X													X	X	X			FBR	RF
8:30	X	X	X	X			X	X	X	X	X	X	X	X					X	X	X	X						X	X	X													X	X	X			—	—
8:45	X	X	X	X			X	X	X	X	X	X	X	X																														X					—	—
9:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																												X					—	—
9:15	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					—	—
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					FGX	YL
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	X	X	X	X											X	X			FCP	RF
11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X	X	X											X	X		M126	FCP	RF
11:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X	X	X											X	X		M125	THV	THV
11:30	X	X	X	X	X	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	X													X						
12:00	X	X	X	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	X	X													X						
12:30	X	X	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	X													X			M125		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	OF	AV				
13:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X			M126		FCP	RF
13:15	X	X	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	X													X						
13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					FCP	RF
14:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					CAF	YL
14:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X						
14:30	X	X	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	X													X						
15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					CAF	YL
15:15	X	X	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	X													X					FCP	RF
15:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					FCP	RF
16:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X			M126		CAF	YL
16:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X			N126		THV	THV
16:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					CAF	YL
16:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					CAF	YL
17:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					CAF	YL
17:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					CAF	YL
17:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					FCP	UF
17:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					FVA	UF
18:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					FVA	UR
18:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X					FVA	RF
18:30	X	X	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	X													X					—	—
19:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													X	X	X													X			N126		—	—
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	OF	AV	GRID	MNK	SP	PT
Health	1	1																																														

COMMENTS YB has awound on his fore head, TU on his finger of the left hand. NO monkeys encountered.

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

GPS A

KPC BEHAVIOUR

OU1 AL1 OT2 BL3 BU1

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
625	obs arrived at the nests and found some Jd's coming out of their nests.									
630	BB AJ YB TU ST KJ PB TJ	OU OT BL BU AL	ATAZ OGBO	OMOL EUAN	C 29				Ø	
645	BB AJ YB TU ST KJ PB TJ	OU OT BL BU AL	ATAZ OGBO	OMOL EUAN	"				Ø	
651	ST was chased by some one and fled screaming others made waars.									
652	AJ made non vocal displays and chased YB who fled screaming then AJ continued displaying.									
655	AJ made non vocal displays and chased YB who fled screaming then approached him screaming and groomed him shortly									
656	some Jd's feeding on FBR.									
700	KK LK YB PG AJ BB TU ES TJ PB ST	OU OT BL BU AL	ATAZ OGBO	OMOL EUAN	C 29	✓	FBR	RF	Ø	
706	some one made non vocal displays and buttress bungs others made hoos.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD Duration	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
652	AJ		13sec	4sec				YB		F		YES			un known	G
655	AJ		6sec	4sec				YB		F		YES			un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
714	TU grooming AJ									
715	KK KK TU SI PG AJ PG YB ES TJ UB	OU OT BL BU AL	AT AZ OG BO	AN EU OM OL	C 29	✓	FBR	RF	ø	
719	AT made vocal displays others made pant hoots.									
723	TU made vocal displays and chased YB who fled screaming others made waa's.									
730	KK KK TU ST PG PG ES TJ BB YB AJ	OU OT BL BU AL	AT AZ OG BO	OM OL AN EU	C 29	✓	FBR	RF	ø	
734	AJ approached BL for copulation, KK charged and chased him, AJ and PG fled screaming PG and AJ shook hands.									
735	AJ approached KK making soft screams and mounted him then gave a soft bite and groomed him too. (AJ→KK).									
745	KK KK TU ST PG PB BB ES TJ AJ	OU OT BL BU AL	AT AZ OG BO	OM OL AN EU	C 29	✓	FBR	RF	ø	
746	KK made non vocal displays and chased some one who fled screaming.									
748	AJ approached BL for copulation KK made non vocal displays, AJ avoided casually and silent.									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD Duration	CHA Duration	Attack 1	Attack 2	Attack 3	Vic ID	No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
719	AT	4sec						None							un known	G
723	TU	6sec		3sec				YB		F		Yes			un known	G
734	KK			4sec				AJ		F		Yes			sexual competetion	T
748	KK		4sec	6sec				BL		F		Yes			sexual competetion	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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KPC BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
	KK chased BL who fled screaming, some males made waars.									
754	BB ST LK made non vocal displays, BB chased TU who fled screaming.									
757	AJ made non vocal displays and chased YB who fled screaming then made attack (2) on him with kicks & slaps at the same time BB also came and made attack (1) by a kicks on YB who fled screaming again AJ came and chased YB then made attack (1), YB retaliated by a slap but in view AJ chased him, YB fled screaming others made waars.									
759	Some Jds made vocal displays others made pant barks and waars.									
800	KK AJ BB LK TU ST BG PE BJ YB	OL OT BL BU AL	AT AZ BO OG	OM OZ EU ND	C 29	✓	FBL	RF	∅	
802	AJ made non vocal displays and buttress bungs TU ST and YB fled climbing trees. pant barking.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														
754	BB		4sec	4sec				TU		F		YES			sexual competetion	G
757	AJ		4sec	13sec		✓		YB		F		YES	✓		sexual compeletion	G
"	YB				✓			AJ	NO			NO			self protection	G
802	AJ		5sec					TU		F		✓			un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

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KPC BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
806	some one made screams then ES made vocal									
	displays and buttress bungs others made waars.									
808	ES made vocal displays and buttress bungs									
	eu made waars.									
809	some one made vocal displays and buttress									
	bungs others made waars.									
815	BB KKLK AJBB TUST PGYB ESTJ PB	OUOT BLBU AL	ATAZ OGBO	OMOL EUAN	C 29	✓	FBR	RF	∅	
816	some one made vocal displays and buttress									
	bungs others made waars.									
817	YB approached AJ pant grunting and									
	groomed him shortly.									
824	LK grooming BL.									
830	KKLK AJBB TUST PGYB ESTJ PB	OUOT BLBU AL	ATAZ OGBO	OMOL EUAN	C 29				∅	
840	KK grooming BL -									
842	some Id's moved away and are out of view.									
845	KKLK AJBB TUST PGYB ESTJ PB	BLBU	BO	eu	C 29				∅	
848	AJ moved towards PB who also approached									PTG
	him pant grunting AJ Ignored him.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
808	ES	6sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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KPC BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
849	PB grooming AJ.									
850	LK grooming PG.									
852	AJ moved towards PB and he fled screaming then YB approached AJ making soft screams and mounted him.									
854	LK grooming KK.									
856	ES made vocal displays and buttress bungs others made waars.									
857	ES made vocal displays and buttress bungs others made waars.									
858	ST and BB made vocal displays and buttress bungs others made waars.									
859	TU grooming AJ.									
900	TJ KK TU ST BB AJ PG PB YB ES	BLBU	BO	EU	C 29				Ø	
901	LK being groomed by AJ									
904	LK grooming AJ.									
910	AJ grooming LK.									
911	YB was seen with a fress wound on the head.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
856	ES	7sec						None							un known	G
857	ES	5sec						None							un known	G
858	ST	8sec						None							sexual competetion	G
"	BB	7sec						None							sexual competetion	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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

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KPC BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KT OTHERS: ST PG FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
915	[illegible]	[illegible]	BO	[illegible]	C 24				6	
916	AJ approached KK and mounted him making soft screams.									
918	LK made non vocal displays and chased PB who fled screaming.									
921	AJ grooming KK									
922	ST & LK made vocal displays and buttress bump others made waars.									
923	GS made vocal displays and buttress bumps others made waars.									
923	LK feeding on TRI 4L.									
924	Tu grooming LK and he was heard coughing (LK).									
925	LK Tu ST BB KK made vocal displays then BB made attack 2 on ST who retaliated screaming and chased him, BB fled making non vocal displays.									
927	PG made vocal displays and displays and buttress bumps others made waars.									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		
918	LK		4sec	3sec				PB		F		YES			Sexual competition	G
922	ST	6sec						NONE							Sexual competition	G
923	GS		6sec					NONE							Un known	G
925	BG	4sec				✓		ST		C		YES	✓		Sexual competition	G
11	ST			24sec				BB		F		NO			Self protection	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
928	AJ made non vocal and chased PG and he fled screaming then									
	KK LK TU made vocal displays. KK chased YB									
	who fled screaming, others made waars.									
929	LK and KK made joint non vocal displays									
	TU YB PG fled pant barking									
930	KK AJ TU ST PG PB JB LK TJ ES BB	BL	BO	EV	C/29				Ø	
938	KK grooming AJ.									
945	KK AJ TU ST PG PB JB LK TJ ES BB	BL BU	BO	EV	C/29				Ø	
952	YB approached AJ pant grunting and									PTG
	groomed him.									
957	some Id's made vocal displays and buttress									
	bungs others made waars.									
1000	KK LK TU ST PG PB JB LK TJ ES BB	BL	BO	EV	C/29				Ø	
1000	BB made vocal displays and buttress									
	bungs others made waars.									
1004	Male made vocal displays then ST BB and									
	PG chased AJ who fled screaming up									
	the tree.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
928	AJ		6sec	8sec				PG		F	✓	✓			Sexual competetion	G
"	KK	4sec		4sec				YB		F		✓			Sexual competetion	G
929	LK	7sec						TU		F		✓			Sexual competetion	G
1000	BB	7sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
952	6sec	BL	LK	NO	NO	NO	NO	LK	
955	4sec	BL	BB	NO	NO	NO	NO	BB	
958	6sec	BL	AJ	NO	NO	NO	NO	AJ	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th **MONTH:** SEP **YEAR:** 2009 **KPC:** KJ **OTHERS:** SJ AG **FOUND:** N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1006	TU PG YB made vocal displays others made waars.									
1010	KK BL LK climbed into FEX and started feeding on YL as KK and LK mate guards BL.									
1015	KK LK AJ BB TU ES PG PB SJ YB	BL	BO	EV	C/24	✓	FEX	YL	Ø	
1022	KK BL coming out of FEX, ES approached KK pant grunting, KK ignored her									PTG
1023	LK and AJ also coming down from FEX.									
1025	LK grooming AJ.									
1026	chain groom AJ→LK→KK.									
1030	KK LK AJ BB TU ES PG PB SJ YB	BL	BO	EV	C/24				Ø	
1034	LR (LO) Joined the party, she approached ES pant grunting and groomed him.									
1036	LR approached TU pant grunting and groomed him									
1040	PG LK and AJ climbed into FCP at B/27 as they Joined AL family who made pant barks.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration							Response of victim							
1006	TU	6sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1008	6 sec	BL	KK	NO	NO	NO	NO	KK	
1023	3 sec	BL	ST	NO	NO	YES	NO	ST	
1025	2 sec	BL	TU	NO	NO	NO	NO	TU	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1042	Some one was chased in a poor view and									
	fled screaming others made wars.									
1045	KKLK BBAJ TUYB PGPB STES TJ	LRBL AL	BOLO ATAZ	EUAN	B/27	✓	FCP	RF	∅	
1100	KKLK BBAJ TUYB PGPB STES TJ	BL AL LR	BOLO ATAZ	EU AN	"	✓	FCP	RF	∅	
1107	Chimps coming down from FCP.									
1103	AJ drinking water from elephant food									DR
	print.									
1104	Chimps started feeding on THV.									
1106	TU has a wound on his finger of the left									
	hand.									
1115	ES KKLK AJBB TUST YBPG PBTJ	BLAL LR	BOLO ATAZ	EUAN	4/26	✓	THV	THV	∅	
1130	KKLK AJBB TUST YBPG PBTJ ES	BLAL LR	BOLO ATAZ	EUAN	"	✓	THV	THV	∅	
1132	LR and AL families moved away and are out									
	of the party.									
1144	Heard distant calls from north west of 4/26									
	this party did not respond.									
1145	KKLK AJBB TUST PGPB TJ ES YB	BL	BO	EU	4/26	✓	THV	THV	∅	

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7 MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1153	AJ grooming KK									
"	Hand clasp mutual groom KK ⇄ LK									HCG
1154	LK grooming AJ.									
1157	Heard distant calls from north west of 4/26									
	this party responded with pant hoots.									
1200	[illegible]	BL	BO AT	EV	4/26	✓	THV	THV	Ø	
1215	[illegible]	BL	BO AT	EV	"	✓	THV	THV	Ø	
"	LK grooming YB									
1218	KK made vocal displays other fled pant									
	barking.									
1230	[illegible]	BL	BO AT	EV	4/26	✓	THV	THV	Ø	
1241	PG grooming KK									
1242	KK LK and AJ grooming BB.									
1244	BB made non vocal displays and chased YB									
	who fled screaming then made attack ②									
	with kicks and slaps, YB fled screaming.									
1244	AJ approached KK who mounted him both									
	making soft screams.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1244	BB		4sec	3sec		✓		YB		F		✓			sexual competetion	G

(Duration: VD, NvD, CHA; Response of victim: No, Av, Tn, Sb, Rt, RA)

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1155	7sec	BL	LK	NO	NO	NO	NO	LK	
1212	9sec	BL	AJ	NO	NO	NO	NO	AJ	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KT OTHERS: SJ AG FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1245	[illegible]		BOAT	Eu	Y/26	✓	THV	THV	Ø	
1247	LK grooming AJ									
11	BL BO feeding on CAF others on FCP.									
1251	AJ chased PB and he fled screaming other did not respond.									
1300	[illegible]	BL	BOAT	Eu	Y/26	✓	FCP CAF	RF YL	Ø	
1315	[illegible]	BL	BOAT	Eu	11	✓	FCP CAF	RF YL	Ø	
1330	[illegible]	BL	BOAT	Eu	V		FCP CAF	RF YL	Ø	
1333	AJ grooming LK.									
1338	LK grooming AJ.									
1340	AJ grooming LK.									
1342	LK grooming AJ									
1344	AJ grooming LK.									
1345	[illegible]	BL	BOAT	Eu	Y/26	✓	FCP	RF	Ø	
1352	LK grooming AJ									
1357	AJ grooming LK.									
1358	Hand clasp mutual groom LK ⇔ AJ									HCG
1359	LK grooming AJ.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack Duration	1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1251	AJ			6sec				PB		F		YES			Sexual competetion	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: ST AG FOUND: M

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1400	[illegible]	BL	BOAT	EU	4/26	V	CAF	4L	Ø	
"	AJ grooming KK									
1404	AT approached AJ making pant grunts and groomed him.									PTG
1406	AJ grooming BB									
1412	KK made non vocal displays				some	lds	fled			
	pant barking									
1415	[illegible]	BL	BOAT	EU	4/26	V	CAF	4L	Ø	
1430	[illegible]	BL	BOAT	EU	1/	V	CAF	4L	Ø	
1436	KK grooming LK									
1439	LK grooming KK									
1441	chain groom		KK→LK→BB							
1443	KK grooming TU as LK grooms				BB					
1445	[illegible]	BL	BOAT	EU						
1450	LK grooming KK				4/26	V	CAF	4L	Ø	
1454	KK grooming LK									
1456	PG grooming AB									
1459	TU grooming AJ									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
X									

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1500	KK LK ST TJ TU AJ BG ES SJ UB	BL	BOAT	BU	4/26				Ø	
1510	KK made vocal displays and buttress bungs others made waas.									
1511	LK made non vocal displays and chased TJ who fled screaming up the tree, then waa bark. KK made non vocal displays and buttress bungs others made waas.									
1512	ST grooming TU.									
1514	KK made vocal displays and buttress bungs LK made pant hoots.									
1515	KK LK ST TJ TU AJ BG ES SJ UB	BB	BOAT	EU	4/26				Ø	
1519	Hand clasp mutual groom ST⇐⇒LK									HCG
1521	LK grooming KK									
1525	KK grooming AJ.									
1526	Both KK and LK are grooming AJ.									
11	Hand clasp mutual groom AJ⇐⇒KK									HCG
1527	KK grooming AJ after hand clasp.									
1528	LK grooming AJ.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														
1510	KK	6sec						None							un known	G
1511	LK		5sec	4sec				TJ		F		✓			Sexual competetion	G
11	KK		9sec					None							conflict intervention	G
1514	KK	6sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1509	6sec	BL	AJ	NO	NO	NO	NO	AJ	
1524	4sec	BL	TU	NO	NO	NO	NO	TU	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1530	KKAJ BBLK TUST PGPB ESTJ YB	BL	BOAT	EU	4/26	✓	FCP CAF	RF YL	∅	
1531	It stoped raining.									
1533	Heard distant calls from the west of 4/26, this party did not respond.									
1522	BL coming down from CAF									
1523	AJ approached KK and mounted him									
1530	YB KKLK BBAJ TUST PGPB ESTJ	BL	ATBO	EU	4/26	✓	CAF FCP	YL RF	∅	
1545	KKLK BBAJ TUST PGPB ESTJ YB	BL	ATBO	EU	"		"	"	∅	
1546	KK approached BB charged and mounted him making pant hoots.									
1548	BB ST and LK climbed into CAF making food barks, others are feeding on THV.									FBK
1600	KKAJ BBLK TUST PGPB ESTJ YB	BL	BOAT	EU	B2/26	✓	CAF	YL	∅	
1600	AJ & PG made joint vocal displays AJ made buttress bungs others made waars.									
1601	BB ST LK and TU coming down from CAF.									
1608	PB & ES made joint vocal displays PB slapped the ground others made waars.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1600	AJ	9sec						None							un known	G
1608	PB	6sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1610	AT was chased by AJ and ~~AF~~ Screaming others did not respond.									
1612	chimps feeding on THV.									
1615	KK LK ST TJ PB BB PG ES JB	BL	BOAT	EV	K / ALT	✓	THV	THV	RDC	
1620	chimps climbed into CAF trees making food barks.									FBK
1630	KK LK ST TJ PB BB PG ES JB	BL	ATBO	EV	S / BFP	✓	CAF	YL	∅	
1641	AJ feeding on FVA RF.									
1645	KK LK ST TJ PB BB PG ES JB	BL	ATBO	EV	S / BFP	✓	CAF FVA	YL RF	∅	
1659	AJ comming down from FVA.									
1700	KK LK ST TU PB BB PG ES TJ JB	BL	ATBO	EV	"	✓	CAF	YL	∅	
1702	AJ eating brown soil from the roots standing tree.							07		SL
1708	PG grooming LK									
1710	Hand clasp mutual groom PG⇌LK									HCG
1711	LK grooming PG									
1712	PG grooming LK									
1715	LK grooming KK.									

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD Duration	CHA Duration	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1610	AJ			6Sec				AT		F		YES			un Known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1623	7sec	BL	KK	NO	NO	NO	NO	BL	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1715	KK LK AJ BB TU ST PG PB ES TJ YB	BL	AT BO	EU	S BFP	✓	CAF	YL	Ø	
1722	some one made screams then KK AJ YB LK and TU made vocal displays LK made attack one on YB by kicks, YB retaliated screaming and chased him, LK fled up the trees making non vocal displays, others made waars.									
1722	KK mounted AJ both making soft screams then AJ moved to BL for copulation BL avoided casually screaming.									
1729	LK PG TU climbed into FCP making food barks as the fed on UF. KK BL BO ES& PB in FVA.									FBK
1730	KK LK BB AJ TU ST PG PB ES TJ YB	BL	BO AT	EU	S BFP	✓	FCP FVA	UF	Ø	
1745	KK LK BB AJ TU ST PG PB ES TJ YB	BL	AT BO	EU	"	✓	FVA FCP	UF	Ø	
1755	TU YB LK and PG coming down from FCP.									
1800	YB KK LK BB TU ST PG PB ES TJ	BL	AT BO	EU	S BFP	✓	FVA FCP	UF UF	Ø	
1815	KK LK BB AJ ST YB TU PG PB ES TJ	BL	AT BO	EU	"	✓	FVA	UF	Ø	
"	TU grooming LK.									
1817	KK BL and BO coming down from FVA.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1722	LK	4sec			✓			YB		C		YES	✓		un known	G
"	YB			16sec				LK		F		NO			self protection	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes
1716	6sec	BL	LK	NO	NO	NO	NO	LK	
1723	5sec	BL	AJ	NO	NO	NO	NO	AJ	

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th MONTH: SEP YEAR: 2009 KPC: KJ OTHERS: SJ AG FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1826	AJ TU KK PG BB made waars then BB made attack one on BL with a slap, BL did not avoid but made screams.									
1826	AJ & BL eating soil from a hole on the ground.									SL
1827	KK approached PG making soft screams and mounted him.									
1828	TU and PG eating brown soil from a hole on the ground.									SL
1830	[illegible]	BL	AJ BO	EU	S KRd	✓	THV	THV	Ø	
1834	PB eating brown soil from the road side.									SL
1839	AJ feeding on TRI YL.									
"	KK AJ PG made vocal displays others made pant hoots.									
1841	KK mounted BB both making soft screams.									
1844	BL making a night nest in a UVA of about 38 cm db at 14 metres high.									
1845	AJ mounted PG who made soft screams.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1826	BB				✓			BL	No			✓			un known	G
1839	KK	6sec						None							un known	G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN 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**: inter-group 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 BEHAVIOUR

DAY: 7th **MONTH:** SEP **YEAR:** 2009 **KPC:** KJ **OTHERS:** SJ AG **FOUND:** N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1845	KK AJ BB TU ST PG PB CS SJ JB	BL	BO AT	EU	5/KRD				∅	
1848	TU started nesting in UVA of about 12 cm dbh at 7 metres high									
1851	AJ making a night nest in the same tree with BL at 14 metres high.									
1851	PB making a night nest in UVA of about 20 cm dbh at 15 metres high.									
1856	PG making a night nest in UVA of about 28 cm dbh at 11 metres high.									
1900	KK AJ BB TU ST PG PB CS SJ JB	BL	AT BO	EU	5/KRD				∅	
1902	OBS left the nesting site.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
		Duration														

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