DAY 29th MONTH 09 YEAR '09 OBS-PC Fm TMF/40 TW KJ 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	GRID	MNK	SP	PT
Estrus																																					2								
5:45																																														
6:00																																														
6:15																																														
6:30																																														
6:45																																														
7:00																																														
7:15							X																																				O/25		FEX	RF
7:30							X																																				"	mgb	PAN	"
7:45							X																																				P/25		—	—
8:00							X																																				O/26		PAN	RF
8:15							X																																				"		—	—
8:30							X																																				P/26		—	—
8:45							X	X																																X					—	—
9:00							X	X																																X					TRI	YL
9:15							X	X																																X					"	"
9:30							X	X																																X					"	"
9:45							X	X																																X					TRI	YL
10:00							X	X																																X					—	—
10:15							X	X																																X				P/26	—	—
10:30							X																																X				P/27	LOW	YL
10:45							X																																X					"	"
11:00							X																																X					—	—
11:15							X																																X					—	—
11:30							X																																X					—	—
11:45							X																																X					—	—
12:00							X																																X					—	—
12:15							X																																X					—	—
12:30							X																																X					—	—
12:45							X																																X				P/27		CAF	YL
	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
13:00							X																																X				P/27		CAF	YL
13:15							X																																X						PAN	RF
13:30							X																																X						"	"
13:45							X																																X						CAF	YL
14:00							X																																X						"	"
14:15							X																																X						—	—
14:30							X																																X				P/27		—	—
14:45							X																																X				O/27		—	—
15:00							X																																X						—	—
15:15							X																																X						THV	THV
15:30							X																																X						"	"
15:45							X																																X						"	"
16:00							X																																X						THV	THV
16:15							X																																X				O/27		—	—
16:30							X																																X				N/28	RDC	—	—
16:45							X		X																														X					"	—	—
17:00							X		X																														X					"	—	—
17:15							X		X																														X					RDC	—	—
17:30							X		X																														X						—	—
17:45							X		X																														X						CAF	YL
18:00							X		X																														X						"	"
18:15							X		X																														X						"	"
18:30							X		X																														X				N/28		CAF	YL
18:45																																														
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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																																														

COMMENTS At 730 we also had Blu. From 1630–1715 we Mgb and RDT alongside RDC.

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

KPC Behavior

DAY 29th MONTH 09 YEAR '09 KPC Fm OTHERS TWKJ FOUND M

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
710	I started collecting behavior.									
715	LK				H/3		✓FEX	RF		
724	LK leaving the feeding tree.									
725	LK climbed into PAN.									
730	LK				J/3		✓PAN	RF	MSG PAN	
734	LK leaving the feeding tree.									
741	LK feeding on FER young leaves.									
745	LK				M/3					
755	LK made vocal displays and buttress bungs, and someone responded with WRAA barks from a distance.									
800	LK				S/4		✓PHY	RF		
809	LK made vocal displays and buttress bungs but there was no response.									
815	LK				C/10					
816	LK made vocal displays and buttress bungs, and again there was no response.									
824	LK feeding on MAE fruit.									

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
745	LK	4 secs						None							unknown	G
809	LK	4 secs						None							unknown	G
816	LK	9 secs						None							unknown	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?)

RD

KPC Behavior

DAY 29th MONTH 09 YEAR 2009 KPC Fm OTHERS KJ FOUND N

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF (Juveniles and Infants)	Loc	F	SP	PT	MNK	BEH
830	LK				C/J9					
831	Heard distant calls from west of NKE and									
	LK made hoos then started moving.									
838	KK RD joined LK and RD calls were									
	made, then LK groomed KK.									
845	LKKK	RD			C/4					
851	Chimps climbed into TR1.									
900	LKKK	RD			B/4	✓	TR1	YL		
903	KK chased RD who fled out of the									
	tree screaming.									
915	LKKK	RD			B/4	✓	TR1	YL		
930	LKKK	RD			4	✓	4	4		
945	LKKK	RD			4	✓	4	4		
953	Chimps leaving the feeding tree.									
957	KK chased RD who fled into the									
	tree screaming.									
1000	LKKK	RD			C/4					
1015	LKKK	RD			n					

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

Time	ID	VD Duration	NvD Duration	Chase	Attack 1	2	3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
903	KK			4 Secs				RD		F	✓				Food competition	T
1000	KK			11 Secs				RD		F	✓				Unknown	G/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; **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 29th MONTH 09 YEAR 2009 KPC FM OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1023	LK feeding on PHH and KL				moved away.					
1027	LK grooming RD.									
1030	LK	RD			G/200	✓	LOW	YL		
1045	LK	RD			4	✓	"	"		
1100	LK	RD			4					
1115	LK	RD			4					
1130	LK	RD			4					
1145	LK	RD			4					
200	LK	RD			G/200					
1212	RD grooming LK.									
1215	LK	RD			G/200					
P127 1230	LK	RD			OUT/4					
1245	LK	RD			4	✓	CAF	YL		
1300	LK	RD			4	✓	4	4		
1314	LK feeding on PHH.									
1315	LK	RD			OUT logged area	✓	PHH	RF		
1330	LK	RD			4	✓	4	4		
1345	LK	RD			OUT logged area	✓	CAF	YL		

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?)

KPC Behavior

DAY 29th MONTH 09 YEAR 2009 KPC Fm OTHERS KJ FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1400	LK	RD			OLT /logged area	✓	CAF	YL		
1415	LK	RD			"					
1430	LK	RD			"					
1436	LK feeding on PHU.									
1443	LK RD	eating red soil from the roots								Soil
	of a fallen tree.									
1445	LK	RD			OLT /19					
1447	Chimps climbed into FCP at " and fed on UF.									
1500	LK	RD			OLT /19					
1514	Chimps leaving the feeding tree.									
1515	LK	RD			OLT /19	✓	THV	THV		
1530	LK	RD			"	✓	"	"		
1545	LK	RD			"	✓	"	"		
1600	LK	RD			"	✓	THV	THV		
1615	LK	RD			OLT /19					
1616	LK. eating red soil from the road.									Soil
1630	LK	RD			KRD /BFP				RDC RDT Mgb	
1640	Heard distant calls from East and this									

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?)

KPC BEHAVIOUR

DAY: 29th MONTH: 09 YEAR: 2009 KPC: Fm OTHERS: KJ FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
	party didn't respond.									
1642	Pg joined the party and made some hoos.									
1643	Lk grooming Pg.									
1644	Hand clasp mutual groom Lk				⇆	Pg				HCG
1645	LkPg	RD			KRD/BFP				RDC RDT mg-b	
1646	Lk grooming Pg.									
1652	Pg grooming Lk.									
1653	Lk grooming Pg.									
1653	Heard distant calls from East and this									
	party responded with pant hoots.									
1659	mutual groom but not hand clasp.				Lk ⇆ Pg.					
1700	LkPg	RD			KRD/BFP				RDC RDT mg-b	
1701	Hand clasp mutual groom Lk				⇆	Pg				HCG
1702	Pg grooming Lk.									
1703	Lk grooming Pg.									
1708	Hand clasp mutual groom Lk				⇆	Pg				HCG
1709	Lk grooming Pg.									
1715	LkPg	RD			KRD/BFP				RDC RDT mg-b	

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: 29th MONTH: 09 YEAR: 2009 KPC: Fm OTHERS: KJ FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1719	Hand clasp mutual groom Lk ⇆ PG									HCG
1723	PG grooming Lk.									
1725	Lk grooming PG.									
1727	PG moved and RD casually avoided									PTG
	him pant grunting.									
1729	PG mounted then groomed RD.									
1730	Lk PG	RD			KRD/NFP					
1731	RD grooming PG.									
1734	RD pant grunted to PG who ignored.									
1735	Chimps climbed into CAF and made food barks									FBK
1745	Lk PG	RD			KRD/NFP	✓	CAF	Yk		
1800	Lk PG	RD			"	✓	"	"		
1815	Lk PG	RD			"	✓	"	"		
1818	Lk leaving the feeding tree.									
1824	PG leaving the feeding tree.									
1830	Lk PG	RD			KRD/NFP	✓	CAF	Yk		
1830	Lk moved into an old nest, 9m high DBH 15cm (E) SP. Tec.									
1832	PG moved into an old nest, 11m high, DBH 18 cm (E) Sp. Tec.									

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?)

1840 Obs leaving the nest site.