DAY 24 MONTH NOV YEAR 2009 OBS-PC KJ TMF/40 SJ FM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | M123 | | FBR | RF |
| 6:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 6:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 7:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 7:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | BLU | | |
| 7:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | " | | |
| 7:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | " | | |
| 8:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | " | FBR | RF |
| 8:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | " | — | — |
| 8:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | " | CAF | YL |
| 8:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | M123 | | SL | SL |
| 9:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | L123 | | — | — |
| 9:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | K122 | | — | — |
| 9:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | C | | | | O | | | | | | | | | | — | — |
| 9:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | C | | | | O | | | | | | | | | | — | — |
| 10:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | C | | | | O | | | | | | | | | | — | — |
| 10:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | COA | RF |
| 10:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | COA | RF |
| 10:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | — | — |
| 11:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | K122 | | — | — |
| 11:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | J122 | | THV | THV |
| 11:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | THV | THV |
| 11:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | — | — |
| 12:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | — | — |
| 12:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | J122 | | — | — |
| 12:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | J123 | | THV | THV |
| 12:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| | 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 | | | | | | | | | | | |
| 13:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 13:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 13:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 14:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 14:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 14:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 14:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | J123 | | — | — |
| 15:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | K123 | | — | — |
| 15:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | K123 | | — | — |
| 15:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | L123 | | — | — |
| 15:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | FBR | RF |
| 16:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | | |
| 16:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | FBR | RF |
| 16:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | FCX | YL |
| 16:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | FCX | YL |
| 17:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | FCX | YL |
| 17:15 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | — | — |
| 17:30 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | — | — |
| 17:45 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | — | — |
| 18:00 | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | X | | | | X | | | | | | | | L123 | | — | — |
| 18:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | GRID | MNK | SP | PT |
| Health | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | | |

COMMENTS

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 B

# KPC BEHAVIOUR

WL① LR①

DAY: 24 MONTH: NOV YEAR: 2009 KPC: KJ OTHERS: SJ FM FOUND: N

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 610 | Obs arrived at the nests and found | | | | | | | | | |
| | chimps in their nests. | | | | | | | | | |
| 614 | WL (WC) | coming LRWL | out of the night WCLO | | 6/400 | | nest. | | ∅ | |
| 615 | LR (LO) | coming | out of the night | | | | nest. | | | |
| 617 | chimps | crossed over to FBR and started | | | | | | | | |
| | feeding on RF. | | | | | | | | | |
| 630 | | LRWL | WCLO | | 7/400 | ✓ | FBR | RF | ∅ | |
| 645 | | LRWL | WCLO | | " | ✓ | FBR | RF | ∅ | |
| 700 | | LRWL | WCLO | | " | ✓ | FBR | RF | ∅ | |
| 715 | | LRWL | WCLO | | " | ✓ | FBR | RF | BLU | |
| 730 | | LRWL | WCLO | | " | ✓ | FBR | RF | " | |
| 745 | | LRWL | WCLO | | " | ✓ | FBR | RF | " | |
| 800 | | LRWL | WCLO | | " | ✓ | FBR | RF | " | |
| 807 | LR grooming WL | | | | | | | | | |
| 910 | WL grooming LR. | | | | | | | | | |
| 911 | Hand clasp mutual groom LR⇔WL | | | | | | | | | HCG |
| 912 | WL grooming LR after hand clasp. | | | | | | | | | |

**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 | | |
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**Copulations**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart? | Approach: | Notes |
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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: 24 MONTH: NOV YEAR: 2009 KPC: KJ OTHERS: SJ FOUND: N

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 814 | Heard distant calls from north west of | | | | | | | | | |
| | the location (G/400) this party did not | | | | | | | | | |
| | respond but LR left the feeding tree. | | | | | | | | | |
| 815 | | LR WL | WC LO | | G/400 | | | | Blu | |
| 817 | LR feeding on UVA RF. | | | | | | | | | |
| 829 | LR feeding on CAF YL | | | | | | | | | |
| 830 | | LR WL | WC LO | | G/400 | | CAF | YL | Blu | |
| 831 | Heard distant calls from north west of | | | | | | | | | |
| | the location (G/400) LO responded with | | | | | | | | | |
| | waars then WL made pant hoots. | | | | | | | | | |
| 833 | LR grooming LO | | | | | | | | | |
| 834 | WL coming out of FBR. | | | | | | | | | |
| 837 | WL also crossed over to CAF and started | | | | | | | | | |
| | feeding on YL. | | | | | | | | | |
| 8 | Chimps coming down from CAF and | | | | | | | | | |
| | started moving. | | | | | | | | | |
| 845 | LR eating brown soil from the roots of a fallen tree. | | | | | | | | | SL |
| 845 | | LR WL | LO WC | | G/400 | | SL | SL | Ø | |

**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 | | |
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**Copulations**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart? | Approach: | Notes |
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# KPC BEHAVIOUR

DAY: 24 MONTH: NOV YEAR: 2009 KPC: KJ OTHERS: SJ FOUND: N

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 900 | | LR WL | WC LO | | K/500 | | | | ∅ | |
| 907 | WL & LR eating red soil from the | | | | | | | | • | SL |
| | roots of azallea tree. | | | | | | | | | |
| 915 | | LR WL | WC LO | | Bug/500 | | | | ∅ | |
| 918 | chimps went into THV and | | | | started | | | | | |
| | feeding. | | | | | | | | | |
| 920 | chimps came into elephants. | | | | | | | | | |
| 923 | In the process of avoiding elephants | | | | | | | | | |
| | obs found LK and KK in corridor at | | | | | | | | | |
| | Bug/800. LR and WL went missing. | | | | | | | | | |
| 924 | KK grooming LK. | | | | | | | | | |
| 930 | KK LK | | | | 800 Bug | | | | ∅ | |
| 936 | LK grooming KK | | | | | | | | | |
| 945 | KK LK | | | | 800 Bug | | | | ∅ | |
| 950 | KK grooming LK. | | | | | | | | | |
| 953 | mutual groom but not hand clasp. LK ⇆ KK | | | | | | | | | |
| 955 | LK grooming KK. | | | | | | | | | |
| 958 | KK grooming LK. | | | | | | | | | |

**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 | | |
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**Copulations**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart? | Approach: | Notes |
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| | | | | | | | | | |
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# KPC BEHAVIOUR

DAY: 24 MONTH: NOV YEAR: 2009 KPC: KJ OTHERS: SJ FOUND: N

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 1000 | KK LK | | | | 800 Bug | | | | Ø | |
| » | LK grooming KK. | | | | | | | | | |
| 1007 | LK started feeding on cordia fruits. | | | | | | | | | |
| 1002 | KK also started feeding. | | | | | | | | | |
| 1015 | KK LK | | | | 800 Bug | V | COA | RF | Ø | |
| 1018 | LR and WL showed up again, LR & LO made pant grunts. | | | | | | | | | |
| 1021 | LR (LO) approached KK pant grunting, LR groomed KK. | | | | | | | | | PTG |
| 1022 | WL approached | LK pant grunting | | | | | LK ignored | | | PTG |
| 1023 | mutual groom KK ⇐⇒ LR | | | | | | | | | |
| 1026 | chain groom | LR → KK → WL. | | | | | | | | |
| 1030 | KK LK | WL LR | WC LO | | 800 Bug | V | COA | RF | Ø | |
| 1031 | LK grooming | KK | | | | | | | | |
| 1035 | KK grooming | LK | | | | | | | | |
| 1037 | Hand clasp mutal groom | LK ⇐⇒ KK | | | | | | | | HCG |
| 1039 | LK approache | KK & LK pant grunting | | | | | | | | |
| | then groomed | LK was still making hand clasp. | | | | | | | | |

**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 | | |
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**Copulations**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart? | Approach: | Notes |
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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: 24 MONTH: NOV YEAR: 2009 KPC: KJ OTHERS: SJ FOUND: N

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 1041 | Hand clasp mutual groom LK⇐⇒LR | | | | | | | | | HCG |
| 1042 | LK grooming LR | | | | | | | | | |
| 1045 | LK KK | LR WL | WC LO | | 800 Base | | | | ∅ | |
| " | LR grooming LK. | | | | | | | | | |
| 1046 | LR grooming KK. | | | | | | | | | |
| 1047 | WL approached KK pant grunting and | | | | | | | | | |
| | groomed him | | | | | | | | | |
| 1048 | LK grooming LR | | | | | | | | | |
| 1050 | BOK LR and KK grooming LK. | | | | | | | | | |
| 1055 | WL grooming KK as LR grooms LK. | | | | | | | | | |
| 1058 | LR feeding on AFF pith | | | | | | | | | |
| 1100 | KK LK | LR WL | LO WC | | Bdg 800 | | | | ∅ | |
| 1105 | Chimps started feeding on THV | | | | | | | | | |
| 1110 | WL made pant grunts LK who ignored her. | | | | | | | | | PTG |
| J/22 1115 | KK LK | WL LR | WC LO | | Isala mid | ✓ | THV | THV | ∅ | |
| 1125 | LR grooming LK | | | | | | | | | |
| 1130 | KK LK | WL LR | WC LO | | Isala mid | ✓ | 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 | | |
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**Copulations**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart? | Approach: | Notes |
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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: 24 MONTH: NOV YEAR: 2009 KPC: KT OTHERS: SJ FOUND: N

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 1142 | LK grooming | | KK | | | | | | | |
| 1145 | KK LK | WL LR | WC LO | | Bank Mid | | | | Ø | |
| 1147 | KK grooming | | LK | | | | | | | |
| 1150 | LK grooming KK | | | | | | | | | |
| 1153 | KK grooming | | LK | | | | | | | |
| 1155 | LK grooming KK. | | | | | | | | | |
| 1158 | WL grooming LK | | | | | | | | | |
| 1159 | WL approached | | KK pant grunting and groomed | | | | | | | PTG |
| | him. | | | | | | | | | |
| 1200 | KK LK | LR WL | WC LO | | Bank Mid | | | | Ø | |
| " | KK grooming WL. | | | | | | | | | |
| 1201 | Hand clasp mutual groom KK ⇔ WL | | | | | | | | | HCG |
| 1204 | WL grooming KK after hand clasp. | | | | | | | | | |
| " | WC playing with LO by wrestling | | | | | | | | | |
| 1215 | KK LK | LR WL | WC LO | | Bank Mid | | | | Ø | |
| 1217 | LK feeding on Solanesio PTH | | | | | | | | | |
| 1222 | LK feeding on PEN PITH. | | | | | | | | | |
| 1228 | LR grooming LO | | | | | | | | | |

**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 | | |
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**Copulations**

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

Day 24 Month NOV Year 2000 KPC KJ Others SJ Found N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1230 | KK LK | LR WL | WC LO | | MFP Mid | ✓ | THV | THV | Ø | |
| 1245 | KK LK | LR WL | WC LO | | " | ✓ | THV | THV | Ø | |
| 1300 | KK LK | LR WL | WC LO | | " | ✓ | THV | THV | Ø | |
| 1315 | KK LK | LR WL | WC LO | | " | ✓ | THV | THV | Ø | |
| 1317 | LR grooming KK | | | | | | | | | |
| 1329 | LR grooming LO | | | | | | | | | |
| " | LK and WL are out of view. | | | | | | | | | |
| 1330 | KK | LR | LO | | MFP Mid | | | | | |
| 1345 | KK | LR | LO | | " | ✓ | THV | THV | Ø | |
| 1400 | KK | LR | LO | | " | ✓ | THV | THV | Ø | |
| 1408 | LR feeding on PEN PITH. | | | | | | | | | |
| 1410 | LR eating ACA PITH | | | | | | | | | |
| 1415 | KK | LR | LO | | Bug GLT | ✓ | ACA | PITH | Ø | |
| 1424 | KK made vocal displays, LR made hoos. | | | | | | | | | |

**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 | Context | Height T or G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1424 | KK | 7sec | | | | | | NONE | | | NO | | | | Unknown | G |
| | | | | | | | | | | | | | | | | |
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**Copulation**

| Time | Duratio | Fem | Male | Interfere? | Groom? | Scream? | Dart | Who approached? | Notes |
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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 24 Month Nov Year 2009 KPC KJ Others SJ Found N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1425 | LR eating red soil from elephant | | | | | | 7ers7 | | | SL |
| | print. | | | | | | | | | |
| 1430 | KK | LR | LO | | Bug GLT | | | | Ø | |
| 1445 | KK | LR | LO | | K 1200 | | | | Ø | |
| 1449 | LK climbed into FGx and started feeding | | | | | | | | | |
| | on UF, KK stayed on the ground. | | | | | | | | | |
| 500 | KK | LR | LO | | K 1200 | | | | Ø | |
| 1501 | LR coming down from FGx and they | | | | | | | | | |
| | started moving. | | | | | | | | | |
| 1513 | KK made vocal displays and buttress | | | | | | | | | |
| | bangs LR joined him with vocal | | | | | | | | | |
| | displays, LO made wraas. | | | | | | | | | |
| 1514 | KK made vocal displays and buttress | | | | | | | | | |
| | bangs LR made pant barks. | | | | | | | | | |
| 1515 | chimps climbed into FBR at J/1500 | | | | | | | | | |

**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 | Context | Height T or G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1513 | KK | 6sec | | | | | | NONE | | | NO | | | | social excitement | G |
| 1514 | KK | 5sec | | | | | | NONE | | | NO | | | | social excitement | G |

**Copulation**

| Time | Duratio | 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
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**PAT**: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

# KPC Behavior

Day 24 Month NOV Year 2009 KPC KT Others ST FM SM Found At

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1515 | KK | LR | LO | | I/800 | | | | ∅ | |
| 1516 | KK approached LR who made pant grunts | | | | | | | | | PTG |
| | before him and groomed him | | | | | | | | | |
| 1530 | KK | LR | LO | | I/800 | ✓ | FBR | RF | ∅ | |
| 1545 | KK | LR | LO | | " | ✓ | FBR | RF | ∅ | |
| 1600 | KK | LR | LO | | | | | | | |
| 1606 | It started raining | | | | | | | | | RN |
| 1613 | KK coming out of FBR and crossed | | | | | | | | | |
| | over to FCX. | | | | | | | | | |
| 1615 | KK | LR | LO | | I/800 | ✓ | FBR FCX | RF 4L | ∅ | |
| 1619 | LR coming out of FBR and also crossed | | | | | | | | | |
| | over to FCX. | | | | | | | | | |
| 1630 | KK | LR | LO | | I/800 | ✓ | FCX | 4L | ∅ | |
| 1645 | KK | LR | LO | | " | ✓ | FCX | 4L | ∅ | |
| | | | | | | | | | | |

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

| Time | ID | VD | NvD | Chase | Attack | | | Victim | Response of Victim | | | | | | Context | Height |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Duration | | | 1 | 2 | 3 | ID | No | Av | Submission | Tn | Rt | RA | | T or G |
| | | | | | | | | | | | | | | | | |
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**Copulation**

| Time | Duratio | Fem | Male | Interfere? | Groom? | Scream? | Dart | Who approached? | Notes |
|---|---|---|---|---|---|---|---|---|---|
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**PAT**: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

# KPC Behavior

Day 24th Month Nov Year 2009 KPC KT Others SJFMSMJC Found N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1656 | KK coming out of FOX. | | | | | | | | | |
| 1700 | KK | LR | LO | | I/800 | V | FOX | YL | Ø | |
| 1709 | LR grooming LO | | | | | | | | | |
| 1712 | KK started making a night nest in a tree | | | | | | | | | |
| | of about 12 cm dbh at 6 metres high. | | | | | | | | | |
| 1715 | KK | LR | LO | | I/800 | | | | Ø | |
| 716 | KK made nest grunts then LR and LO also | | | | | | | | | |
| | responded with nest grunts too. | | | | | | | | | |
| 1720 | LR making a night nest in BOS of about | | | | | | | | | |
| | 26 cm dbh at 15 metres high. | | | | | | | | | |
| 1730 | KK | LR | LO | | I/800 | | | | Ø | |
| 1745 | KK | LR | LO | | " | | | | Ø | |
| 1800 | KK | LR | LO | | " | | | | Ø | |
| 1805 | OBS left the nesting site. | | | | | | | | | |

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

| Time | ID | VD | NvD | Chase | Attack | | | Victim | Response of Victim | | | | | | Context | Height |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Duration | | | 1 | 2 | 3 | ID | No | Av | Submission | Tn | Rt | RA | | T or G |
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**Copulation**

| Time | Duratio | Fem | Male | Interfere? | Groom? | Scream? | Dart | Who approached? | Notes |
|---|---|---|---|---|---|---|---|---|---|
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