DAY 29 MONTH 09 YEAR 09 OBS-PC ST TMF/40 SM HOW FOUND NEST

| | ST | TU | BB | YB | AJ | MS | LK | KK | PG | ES | PB | TJ | BL | BU | BO | MU | MX | MN | OU | OT | OG | OM | TG | TT | TS | UM | UN | AL | AT | AZ | LR | LO | WA | WE | WL | WC | QT | QV | RD | ML | NP | EU | GRID | MNK | SP | PT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:15 | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N25 | None | — | — |
| 6:30 | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | RDC | — | — |
| 6:45 | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | APH | RF |
| 7:00 | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | " | " |
| 7:15 | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 7:30 | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 7:45 | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 8:00 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | RDC | — | — |
| 8:15 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | None | — | — |
| 8:30 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | RDT | APH | RF |
| 8:45 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | RDT | | |
| 9:00 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | None | | |
| 9:15 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:30 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:45 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:00 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | None | | |
| 10:15 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | RDT | APH | RF |
| 10:30 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | None | MAE | PHt |
| 10:45 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N25 | " | — | — |
| 11:00 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N26 | None | FBR | RF |
| 11:15 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N26 | MGB | " | " |
| 11:30 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N25 | " | — | — |
| 11:45 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M25 | None | — | — |
| 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |

COMMENTS At 1153 OBS lost YB in the dense,

**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 BEHAVIOUR

DAY: 29 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM FOUND: NEST

| Time | Party Composition: AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 606 | OBS arrive at the nest side | | | | | | | | | |
| 615 | LK YB | | | | F/10 | | | | ∅ | |
| 629 | LK left his night nest | | | | | | | | | |
| 630 | | | | | F/10 | | | | RDC | |
| " | YB left his nightnest | | | | | | | | | |
| 633 | YB made Vocal displays and buttress bangs | | | | | | | | | |
| | LK joined made Vocal displays and some IDS from | | | | | | | | | |
| | East of K-14 made pant-hoots (Distant). | | | | | | | | | |
| 637 | YB climbed into APH for feeding followed by LK | | | | | | | | | |
| 644 | LK made Vocal displays and buttress bangs | | | | | | | | | |
| | and YB didn't respond. | | | | | | | | | |
| 645 | LK YB | | | | F/6 | ✓ | APH | RF | RDC | |
| 700 | LK YB | | | | " | ✓ | " | " | RDC | |
| 701 | Distant calls heard from East of K-14 | | | | | | | | | |
| | and the focal IDS didn't respond | | | | | | | | | |
| 704 | LK joined the party, he made pant hoots | | | | | | | | | |
| | and YB responded with food grunts | | | | | | | | | FBK |
| 705 | LK made Vocal displays and buttress bang at | | | | | | | | | |

**Aggression/Received aggression**

| Time | Aggr. ID | VD Duration | NvD | CHA | Attack 1 | 2 | 3 | Vic ID | Response of victim: No | Av | Tn | Sb | Rt | RA | Behavioural context | T/G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 633 | YB | 6sec | | | | | | None | | | | | | | Walk | G |
| 644 | LK | 4sec | | | | | | none | | | | | | | Unknown | G |
| 705 | LK | 8sec | | | | | | none | | | | | | | RS-Unk | G |

**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?)

the sametime he climbed into the feeding tree.

# KPC BEHAVIOUR

DAY: 29 MONTH: 09 YEAR: 09 KPC: ST OTHERS: Sm FOUND: NEST

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 710 | LK separated from the party | | | | | | | | | |
| 715 | KK YB | | | | F/G | | | | RDC | |
| 717 | 2 Adult male RDe's made alarm calls | | | | | | | | | |
| | Chased KK and YB and the fled silent leaving | | | | | | | | | |
| | the feeding tree. | | | | | | | | | |
| 730 | KK YB | | | | F/G | | | | RDC | |
| 742 | YB feeding on CHT | | | | | | | | | |
| 745 | KK YB | | | | F/G | | | | RDC | |
| 746 | YB Made Vocal displays and buttress | | | | | | | | | |
| | bungs and KK made waars | | | | | | | | | |
| 749 | KK made Vocal displays and buttress bungs | | | | | | | | | |
| | and YB made hoos. | | | | | | | | | |
| 752 | KK left the party, | | | | | | | | | |
| 800 | YB | | | | F/G | | | | RDC | |
| 815 | YB | | | | " | | | | ∅ | |
| 11 | YB Made Vocal displays and buttress | | | | | | | | | |
| | bungs and some IDs from the Distant | | | | | | | | | |
| | made pant-hoots | | | | | | | | | |

**Aggression/Received aggression**

| Time | Aggr. ID | VD Duration | NvD | CHA | Attack 1 | 2 | 3 | Vic ID | Response of victim No | Av | Tn | Sb | Rt | RA | Behavioural context | T/G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 746 | YB | bsec | | | | | | None | | | | | | | Unknown | G |
| 815 | YB | bsec | | | | | | none | | | | | | | Unknown | G |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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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: 29 MONTH: 09 YEAR: 09 KPC: ST OTHERS: SM JM AG FOUND: NEST

| Time | Party Composition: AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 816 | YB climbed into CHT for feeding | | | | | | | YL | | |
| 830 | YB | | | | E/4 | ✓ | APH | RF | RDT | |
| 845 | YB | | | | " | ✓ | " | " | RDT | |
| 900 | YB | | | | " | ✓ | " | " | ⊘ | |
| 915 | YB | | | | " | ✓ | " | " | ⊘ | |
| 930 | YB | | | | " | ✓ | " | " | ⊘ | |
| 945 | YB | | | | " | ✓ | " | " | ⊘ | |
| 1000 | YB | | | | " | ✓ | " | " | ⊘ | |
| 1015 | YB | | | | " | ✓ | " | " | RDT | |
| 1023 | YB climbed down from APH | | | | | | | | | |
| 1030 | YB | | | | B/RFB | ✓ | MAE | PHE | ⊘ | |
| 1033 | YB feeding on TRI YL | | | | | | | | | |
| 1043 | YB made vocal displays and buttress bangs and other IDS made Pant hoots from a distant | | | | | | | | | |
| 1045 | YB | | | | F/4 | | | | ⊘ | |
| 1046 | YB made non-vocal displays | | | | | | | | | |
| 1056 | YB climbed into FBR for feeding | | | | | | | | | |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1043 | YB | 45s | | | | | | None | | | | | | | Unknown | G |
| 1046 | YB | | 35s | | | | | none | | | | | | | Unknown | G |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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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?)

818 YB feeding APH RF

# KPC BEHAVIOUR

DAY: 29 MONTH: 09 YEAR: 09 KPC: SJ OTHERS: SM AG FOUND: NEST

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (incl. estrous) | JMM (&inf) | JFF (&inf) | | | | | | |
| 1100 | YB | | | | H/16 | ✓ | FBR | RF | ∅ | |
| 1115 | YB | | | | " | ✓ | " | " | MgB | |
| 1125 | YB | Climbing | down | from FBR | | | | | | |
| 1130 | YB | | | | F/17 | | | | mgB | |
| 1145 | YB | | | | B/21 | | | | ∅ | |
| " | YB | drinking | water | from the | stream. | | | | | DR |
| 1155 | YB | disappeared | into | the dense | area. | | | | | |

**Aggression/Received aggression**

| Time | Aggr. ID | VD | NvD | CHA | Attack | | | Vic ID | Response of victim | | | | | | Behavioural context | T/G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Duration | | | 1 | 2 | 3 | | 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?)