DAY 18 MONTH AUG YEAR 2009 OBS-PC KJ TMF/40 TWIC 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 | DO | GRID | MNK | SP | PT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Estrus | | | | | | | | | | | | | | | | | | | 1 | 2 | | | 1 | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | |
| 5:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 8:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 9:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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 | DO | | | | |
| 13:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 13:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 14:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:15 | | | | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | L126 | | CAF | YL |
| 15:30 | | | | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | L126 | | CAF | YL |
| 15:45 | | | | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | L126 | | PHY | RF |
| 16:00 | | | X | | | | X | | | X | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | M126 | | | |
| 16:15 | | | X | | | | X | | | X | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | | | ↓ | ↓ |
| 16:30 | | | X | | | | X | | | X | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | ↓ | | PHY | RF |
| 16:45 | | | X | | X | | XX | | | X | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | M126 | | — | — |
| 17:00 | | | X | | X | | XX | | | X | | | | | | | | | X | X | X | X | X | X | X | | | | | | | | | | X | X | X | X | | | | | X | X | M127 | ↓ | THU | THU |
| 17:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 18:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 19:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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 | DO | GRID | MNK | SP | PT |
| Health | | 1 | 1 | | 4 | | 1 | | | 1 | | | | | | | | | 2 | 2 | | | 1 | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | |

COMMENTS AJ has wound on his left heel while OU and OM were heard coughing in the morning.

**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 18th MONTH AUG YEAR 2009 KPC KT OTHERS – TW IC OU, OT2 WL2 QT, TG, FOUND N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1511 | J started collecting behavior after FM leaving | | | | | | | | | |
| 1515 | | OU OT QT WL TG | OG TT QV WC | OM OL TS TD | 29 Log | ✓ | CAF | YL | ∅ | |
| 1522 | TT grooming TS | | | | | | | | | |
| 1530 | | OU OT QT WL TG | OG TT QV WC | OM OL TS TD | 29 Log | ✓ | CAF | YL | ∅ | |
| 1531 | Chimps coming down from CAF | | | | | | | | | |
| 1545 | | OU OT QT WL TG | OG WC TT QV | OM OL TS TD | B 29 | ✓ | PHY | RF | ∅ | |
| 1559 | KK BB and PB joined the party, KK made non vocal displays QT made pant barks | | | | | | | | | |
| 1600 | PB made non vocal displays and ground slaping WL made pant barks. | | | | | | | | | |
| 1600 | KK BB PB | OU OT QT WL TG | OG TT WC QV | OM OL TS TD | C 29 | ✓ | PHY | RF | ∅ | |
| 1600 | BB approached TG who made pant grunt before him and presented, BB Ignored | | | | | | | | | PTG |
| 1601 | BB started non vocal displays and chased WL who fled screaming and climbed a tree, KK also made non vocal displays WL made pant barks. | | | | | | | | | |

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

| Time | ID | VD | NvD | Chase | Attack 1 | Attack 2 | Attack 3 | Victim ID | Response of Victim: No | Av | Submission | Tn | Rt | RA | Behavioral Context | Height T or G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Duration | | | | | | | | | | | | | | |
| 1559 | KK | | 7sec | | | | | QT | | F | YES | | | | Re-union | G |
| 1600 | PB | | 9sec | | | | | WL | | C | YES | | | | Re-union | G |
| 1601 | BB | | 3sec | 4sec | | | | WL | | F | YES | | | | Re-union | G |
| " | KK | | 6sec | | | | | None | | | | | | | Re-union | G |
| | | | | | | | | | | | | | | | | |

**Copulation**

| Time | Duration | 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 18th MONTH AUG YEAR 2009 KPC KJ OTHERS TWIC FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1602 | PB made non vocal displays ou OG OT and | | | | | | | | | |
| | QT fled pant barking. | | | | | | | | | |
| 1604 | KK made non vocal displays and chased | | | | | | | | | |
| | OG who fled screaming, ou and OT avoided | | | | | | | | | |
| | casually pant barking. | | | | | | | | | |
| 1608 | chimps climbed into another PHY. | | | | | | | | | |
| 1609 | QT chased OG and he fled screaming. | | | | | | | | | |
| 1615 | KK BB PB | OU OT TG QT WL | OG TT QV WC | OM OL TD TS | F 28 | ✓ | PHY | RF | Ø | |
| 1630 | KK BB PB | OU OT TG QT WL | OG TT QV WC | OM OL TD TS | 11 | ✓ | PHY | RF | Ø | |
| 1631 | KK ou (OL) QT (QV) OG coming down from | | | | | | | | | |
| | PHY. | | | | | | | | | |
| 1634 | chimps joined LK & AJ. no any calls made. | | | | | | | | | |
| 1637 | LK being groomed by OG. | | | | | | | | | |
| 1640 | WL TG & ou made pant barks to AJ who | | | | | | | | | |
| | ignored them. | | | | | | | | | |
| 1641 | Hand clasp mutual groom TG ⇄ LK | | | | | | | | | HCG |
| 1642 | ou grooming OG. | | | | | | | | | |
| 1643 | Hand clasp mutual groom ou ⇄ OG | | | | | | | | | HCG |

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

| Time | ID | VD | NvD | Chase | Attack 1 | 2 | 3 | Victim ID | Response of Victim No | Av | Submission | Tn | Rt | RA | Behavioral Context | Height T or G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Duration | | | | | | | | | | | | | | |
| 1602 | PB | | 9sec | | | | | ou | | F | YES | | | | Re union | G |
| 1604 | KK | | 4sec | 2sec | | | | OG | | F | YES | | | | Re-union | G |
| 1609 | QT | | | 3sec | | | | OG | | F | YES | | | | Food competetion | T |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

**Copulation**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart | Who approached? | Notes |
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# KPC Behavior

DAY 18 MONTH AUG YEAR 2009 KPC KJ OTHERS TW IC FOUND M

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1643 | WL approached LK and presented before | | | | | | | | | |
| | him, LK inspected her by both touching | | | | | | | | | |
| | and smelling on the estrous | | | | | | | | | |
| 1644 | ou grooming OG after hand clasp. | | | | | | | | | |
| " | chain groom om → ou → OG. | | | | | | | | | |
| 1645 | KK LK BB AJ PB | OU OT TG WL QT | OG TT QV WC | OM OL TD TS | F 28 | | | | Ø | |
| 1651 | om grooming ou. | | | | | | | | | |
| 1700 | KK LK BB AJ PB | OU OT TG WL QT | OU TT QV WC | OM OL TS TD | G 28 | ✓ | THV | THV | Ø | |
| 1714 | chimps joined another party being | | | | | | | | | |
| | followed by sm SJ & AG and J stoped | | | | | | | | | |
| | collecting behavior sm continued. | | | | | | | | | |
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**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 |
| | | | | | | | | | | | | | | | | |
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**Copulation**

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