DAY 2nd MONTH July YEAR 2009 OBS-PC KJ TMF/40 – TW HOW FOUND FT

| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | |
| 5:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | M 126 | * | ENA | RF |
| 7:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | * | | |
| 7:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | * | | |
| 7:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | * | ENA | RF |
| 8:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | M 126 | * | — | — |
| 8:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | M 125 | RDC | CURH | FL |
| 8:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | | FDA | RF |
| 8:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | | FDA | RF |
| 9:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | | FDA | RF |
| 9:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | | | — | — |
| 9:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | M 125 | | BGA | WD |
| 9:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | L 125 | | NEO | WD |
| 10:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | L 125 | | NEO | WD |
| 10:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | L 124 | | — | — |
| 10:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | X | | | | | X | X | | | | | K 123 | | — | — |
| 10:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K 123 | | ULM | FL |
| 11:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ULM | FL |
| 11:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ACA | PITH |
| 11:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ACA | PITH |
| 12:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ULM | FL |
| 12:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | THV | THV |
| 12:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 12:45 | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ACA | PITH |
| 13:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K 123 | | ACA | PITH |
| 14:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | J 123 | | — | — |
| 14:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K 122 | | CAF | YL |
| 14:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CAF | YL |
| 15:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | THV | THV |
| 15:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | THV | THV |
| 16:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K 122 | | SL | SL |
| 16:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T 122 | | — | — |
| 17:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | LOW | YL |
| 17:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | LOW | YL |
| 17:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 17:45 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 18:00 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 18:15 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | — | — |
| 18:30 | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | J 122 | | — | — |
| 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 2 | | | | | | 1 | 1 | | | | | | | | |

COMMENTS Lo was heard coughing. FROM 700 – 800 Blu, RDC and red tail monkeys were along side.

**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 QT, LR, GPS A

DAY 2nd MONTH July YEAR 2009 OBSERVER KJ TW Found: C (FT) FFT N Other

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| 658 | QBS found LR and QT families | | | | | | Feeding | | | on |
| | FNA at C/23. | | | | | | | | | |
| 700 | | LR QT | QV LO | | C/23 | ✓ | FNA | RF | MGB BLU ROT | |
| 715 | | LR QT | QV LO | | " | ✓ | FNA | RF | " | |
| 730 | | LR QT | QV LO | | " | ✓ | FNA | RF | " | |
| 745 | | LR QT | QV LO | | " | ✓ | FNA | RF | " | |
| 754 | LR (LO) coming down from FNA. | | | | | | | | | |
| 758 | QT (QV) coming down from FNA. | | | | | | | | | |
| 800 | | LR QT | QV LO | | C/23 | | | | MGB BLU ROT | |
| 805 | QT made pant grunts to LR extending | | | | | | | | | PTG |
| | hand, LR ignored. | | | | | | | | | |
| 806 | QT drinking water using the mouth | | | | | | | | | DR from |
| | a stream. | | | | | | | | | |
| 807 | LR climbed into URH and started feeding | | | | | | | | | |
| | on flowers | | | | | | | | | |
| 815 | | LR QT | LO QV | | U/23 | ✓ | URH | FT | RDC | |
| 822 | LO was heard coughing and it productive. | | | | | | | | | |
| " | LR feeding on FCA PTH. | | | | | | | | | |
| 825 | QT (QV) went missing. | | | | | | | | | |
| | | | | | | | | | | |

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

**AP:** Adult Play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **FBK:** Food bark; **HCG:** Hand-clasp groom; **HNY:** Honey; **IGI:** Intergroup interaction; **LF:** Leaf use; **MAT:** Attacked by monkeys; **PIG:** Pigs; **PRED:** Predation; **PTG:** Pant-grunt; **RN:** Rain; **RD:** Rain display; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events

# KPC Behavior

DAY 2nd MONTH July YEAR 2009 OBSERVER KJ TW Found: C (FT) FFT N Other_____

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| 828 | LR (LO) joined PB who was feeding on FDA | | | | | | | | | |
| | at T123. | | | | | | | | | |
| 830 | PB | LR | LO | | T/23 | ✓ | FDA | RF | Ø | |
| 832 | Heard distant calls from east of the location, | | | | | | | | | |
| | this party did not respond. | | | | | | | | | |
| 845 | PB | LR | LO | | T/23 | ✓ | FDA | RF | Ø | |
| 857 | PB coming down from the feeding tree (FDA) | | | | | | | | | |
| 900 | PB | LR | LO | | T/23 | ✓ | FDA | RF | Ø | |
| 910 | LR (LO) coming down from FDA. | | | | | | | | | |
| 911 | Hand clasp mutual groom | | | | PB⇐⇒LR | | | | | HCG |
| 912 | LR grooming PB after hand clasp. | | | | | | | | | |
| " | Hand clasp mutual groom | | | | PB⇐⇒LR | | | | | HCG |
| 913 | PB grooming LR after hand clasp | | | | | | | | | |
| 915 | PB | LR | LO | | T/23 | | | | Ø | |
| 915 | mutual groom but not hand clasp | | | | | | | | LR⇐⇒PB | |
| 916 | LR grooming PB. | | | | | | | | | |
| 918 | PB grooming LR. | | | | | | | | | |
| 921 | Hand clasp mutual groom | | | | PB⇐⇒LR | | | | | HCG |
| 922 | LR grooming PB. | | | | | | | | | |
| | | | | | | | | | | |

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

BEHAVIOR CODES (List all that you see - See reference sheet for required data):

**AP**: Adult Play; **CP**: Copulation; **CY**: Carry; **DR**: Drink; **FBK**: Food bark; **HCG**: Hand-clasp groom; **HNY**: Honey; **IGI**: Intergroup interaction; **LF**: Leaf use; **MAT**: Attacked by monkeys; **PIG**: Pigs; **PRED**: Predation; **PTG**: Pant-grunt; **RN**: Rain; **RD**: Rain display; **STK**: Stick use; **TLU**: Tool use; **UNF**: Unusual food; **Q**: Other unusual events

# KPC Behavior

DAY 2nd MONTH July YEAR 2009 OBSERVER KT TW Found: C (FT) FFT N Other_____

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| 923 | PB grooming LR. | | | | | | | | | |
| 929 | LR and PB eating Barsama wood. | | | | | | | | | |
| 930 | PB | LR | LO | | R/23 | ✓ | BER | wd | Ø | |
| 936 | LR made pant grunt and gave a soft PTG | | | | | | | | | |
| | bite on his shoulders. PB Ignored. | | | | | | | | | |
| 939 | LR PB eating NEO wood. | | | | | | | | | |
| 945 | PB | LR | LO | | CRd/26 | ✓ | NEO | WD | Ø | |
| 1000 | PB | LR | LO | | " | ✓ | NEO | WD | Ø | |
| 1003 | chimps stoped eating NEO wood. | | | | | | | | | |
| 1015 | PB | | | | B/900 | | | | Ø | |
| 1030 | PB | | | | H/1000 | | | | Ø | |
| 1032 | chimps went missing. | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 1049 | Obs found PB only by chance at | | | | | | | | | |
| | H/1000. | | | | | | | | | |
| 1100 | PB | | | | K/GLT | ✓ | UTM | FL | Ø | |
| 1115 | PB | | | | " | ✓ | UTM | FL | Ø | |
| 1130 | PB | | | | " | ✓ | ACA | PTH | Ø | |
| | | | | | | | | | | |

K/23

AT 15-MINUTE INTERVALS: Party Composition, Location, Food, MNK ESTROUS: 1 = None, 2 = Partial, 3 = Full

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DAY 2nd MONTH July YEAR 2009 OBSERVER KJ Tw Found: C (FT) FFT N Other _____

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| 1145 | PB | | | | Isole/MFP | ✓ | ACA | PITH | ∅ | |
| 1200 | PB | | | | " | ✓ | ULTM | FL | ∅ | |
| 1215 | PB | | | | " | ✓ | THV | THV | ∅ | |
| 1230 | PB | | | | " | | | | ∅ | |
| 1245 | PB | | | | " | | | | ∅ | |
| 1250 | PB eating | ILL YL. | | | | | | | | |
| 1254 | PB eating | CAF YL. | | | | | | | | |
| 1300 | PB | | | | Isole/L | ✓ | ACA | PITH | ∅ | |
| 1315 | PB | | | | " | ✓ | " | " | ∅ | |
| 1330 | PB | | | | " | ✓ | " | | ∅ | |
| 1345 | PB | | | | " | ✓ | " | " | RDT | |
| 1400 | PB | | | | Isole/MFP | ✓ | " | " | " | |
| 1415 | PB | | | | MFP/Burg | | | | ∅ | |
| 1430 | PB | | | | Burg/Isole | ✓ | CAF | YL | ∅ | |
| 1445 | PB | | | | " | ✓ | CAF | YL | ∅ | |
| 1500 | PB | | | | " | ✓ | THV | THV | ∅ | |
| 1515 | PB | | | | " | | | | | |
| 1530 | PB | | | | " | ✓ | THV | THV | ∅ | |
| 1545 | PB | | | | " | ✓ | THV | THV | ∅ | |
| | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1600 | PB | | | | Isule Bug | ✓ | THV | THV | ∅ | |
| 1615 | PB | | | | " | ✓ | THV | THV | ∅ | |
| 1629 | PB eating red soil from the ground. | | | | | | | | | |
| 1630 | PB | | | | Isule Bug | ✓ | SL | SL | ∅ | |
| 1637 | PB eating TRI YL. | | | | | | | | | |
| 1645 | PB | | | | Isule Bug | | | | ∅ | |
| 1700 | PB | | | | Isule Mid | ✓ | Low | YL | ∅ | |
| 1715 | PB | | | | " | | | | ∅ | |
| 1716 | PB started making a night nest in an Albizia of about 48 cm dbh at 28 metres high. | | | | | | | | | |
| 1730 | PB | | | | Isule Mid | | | | ∅ | |
| 1745 | PB | | | | " | | | | ∅ | |
| 1800 | PB | | | | " | | | | ∅ | |
| 1815 | PB | | | | " | | | | ∅ | |
| 1820 | OBS leaving the nesting site. | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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