DAY 11th MONTH 08 YEAR 09 OBS-PC Fm TMF/40 1CAGASTW 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 | OL | AN | FF | GRID | MNK | SP | PT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Estrus | | | | | | | | | | | | | 3 | | | | | | 1 | | | | 1 | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | |
| 5:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:15 | | | | X | | | | X | | | X | | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | J/25 | None | — | — |
| 6:30 | | | | X | | | | X | | | X | | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | " | | — | — |
| 6:45 | | | | X | | | | X | | | X | | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | " | | — | — |
| 7:00 | | | | X | | | | X | | | X | | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | J/25 | | — | — |
| 7:15 | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | K/23 | | — | — |
| 7:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | FNA | RF |
| 7:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 8:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 8:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 8:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 8:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 9:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | FNA | RF |
| 9:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | THV | THV |
| 9:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | " | " |
| 9:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | " | " |
| 10:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | THV | THV |
| 10:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | — | — |
| 10:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | FEX | RF |
| 10:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | " | " |
| 11:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | — | — |
| 11:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | K/23 | | — | — |
| 11:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | L/24 | | URH | RF |
| 11:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 12:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 12:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 12:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 12:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | L/24 | None | URH | RF |
| | 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 | OL | AN | FF | | | | |
| 13:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | L/24 | None | URH | RF |
| 13:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | " | | | |
| 13:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | L/24 | | | |
| 13:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | L/25 | | | |
| 14:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 14:15 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 14:30 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 14:45 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | | | | |
| 15:00 | | | | X | | | | X | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | X | | | | | | | X | | | | L/25 | None | URH | RF |
| 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 | OL | AN | FF | GRID | MNK | SP | PT |
| Health | | | | 1 | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | 2 | | | | | 2 | | | | | | | | | | | | | |

COMMENTS LO had a cold and cough, while RT was heard coughing. No monkeys encountered. From 1445-1500 chimps were also feeding on NEO WD.

**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

WL-① BL-① BU-③

# KPC Behavior

DAY 11th MONTH 08 YEAR 2009 KPC — OTHERS ICAG,AS FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 606 | Obs arrived at the nest site. | | | | | | | | | |
| 615 | PG MP KW PB | BL BU WL | BOWC | MP | IE /WB | | | | | |
| 630 | PB PG YB KW | BL BU WL | BOWC | NP | 4 | | | | | |
| 644 | BO leaving the night nest. | | | | | | | | | |
| 645 | YB PB KW PG | BL BU WL | BOWC | NP | IE /WB | | | | | |
| 646 | Someone made vocal displays and others | | | | | | | | | |
| | responded with pant hoots and barks. | | | | | | | | | |
| 653 | BU leaving the night nest. | | | | | | | | | |
| 658 | NP then WL (WO) BL leaving the night nests. | | | | | | | | | |
| 700 | YB PB PG KW | BL BU WL | BOWC | NP | IE /WB | | | | | |
| 702 | The males (KW YB PG PB) moved away and left | | | | | | | | | |
| | the party, and we stayed with BL BO BU WL WC and NP. | | | | | | | | | |
| 715 | | BL WL BU | BOWC | NP | J /980 | | | | | |
| 717 | NP swallowing Rub young leaves. | | | | | | | | | UNF |
| 720 | Heard distant calls from west of nimana | | | | | | | | | |
| | and this party responded with pant hoots | | | | | | | | | |
| | and barks. | | | | | | | | | |
| 729 | Chimps arrived at the | FNA | | | /800 | | and joined others | | | |

**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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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 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWICAGAS FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | Chased YB who ran out of the tree screaming, | | | | | | | | | |
| | and on the ground, he (KK) made non vocal | | | | | | | | | |
| | displays and buttress bungs. | | | | | | | | | |
| 800 | LKKK YB TJ | QUOT LR WL QTTG BL BU AL | QVOG WCTTAZ ATLO BO | QMOL TDTSAN NP | L/800 | ✓ | FNA | RF | | |
| 810 | AT LR grooming QT. | | | | | | | | | |
| 815 | LKKK YB TJ | QUOT WL LR QTTG BL BU AL | QVOG WCTTAZ BOAT LO | QMOL TDTSAN NP | L/800 | ✓ | FNA | RF | | |
| 818 | KK Chased AT in the feeding tree and | | | | | | | | | |
| | he fled screaming. | | | | | | | | | |
| 826 | KK Chased BU who fled silently, then he | | | | | | | | | |
| | also chased TJ who ran screaming and wear | | | | | | | | | |
| | barking out of the tree. | | | | | | | | | |
| 830 | LKKK YB TJ | QUOT WL LR QTTG BL BU AL | QVOG WCTTAZ BOAT NP | QMOL TDTSAN NP | L/800 | ✓ | FNA | RF | | |
| 833 | Chimps climbed down the feeding tree | | | | | | | | | |
| | but LR (LO) stayed. | | | | | | | | | |
| 835 | KK made non vocal displays and buttress | | | | | | | | | |
| | bungs then chased some one in poor view | | | | | | | | | |
| | who fled screaming. | | | | | | | | | |
| 845 | LKKK YB TJ | QUOT WL LR QTTG BL BU AL | QVOG WCTTAZ BOAT NP | AN QMOL TDTS NP | L/800 | ✓ | FNA | RF | | |

**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 | | | | | | | | | | | | | | |
| 748 | KK | | 10secs | 3secs | | | | BU | | F | ✓ | | | | Sex competetion | T |
| 818 | KK | | | 3secs | | | | AT | | F | ✓ | | | | Food competetion | T |
| 826 | KK | | | 2secs | | | | BU | | F | ✓ | | | | Sex competetion | T |
| 826 | KK | | | 10secs | | | | TJ | | F | ✓ | | | | Sex competetion | T/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

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# KPC Behavior

DAY 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWICAGAS FOUND N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 847 | QT AZ AL feeding on PHY ripe fruit. | | | | | | | | | UNF |
| 850 | TS grooming YB and QT grooming QV. | | | | | | | | | |
| 851 | TS stopped grooming YB and picked a leaf | | | | | | | | | TLU |
| | which he groomed for 40 secs then rested. | | | | | | | | | |
| 852 | YB grooming TS. | | | | | | | | | |
| 858 | BL grooming BO. | | | | | | | | | |
| 859 | OT OM also feeding on PHY ripe fruit. | | | | | | | | | UNF |
| 900 | LK KK YB TJ | QU OT BL BU WL LR QT TG AL | TT AZ AT OG LO WC QV BO | OM OL TD TS AN MP | L/800 | ✓ | PHY FNA | RF | | |
| 902 | YB grooming KK. | | | | | | | | | |
| 912 | PB joined the party and no calls were made. | | | | | | | | | |
| 915 | LK KK YB TJ PB | QU OT BL BU WL LR QT TG AL | TT AZ AT BO LO WC QV OG | OM OL TD TS AN NP | L/800 | ✓ | THV | THV | | |
| 920 | AT playing with AZ. | | | | | | | | | |
| 927 | WL playing with WC by touching and biting. | | | | | | | | | AP |
| 930 | LK KK YB TJ PB | QU OT BL BU WL LR QT TG AL | TT AZ BO AT LO WC QV OG | OM OL TD TS AN MP | L/1SULL | ✓ | THV | THV | | |
| 931 | OG made attack one to MP who retaliated | | | | | | | | | |
| | while screaming and kicked him. OG fled screaming | | | | | | | | | |
| | and mounted AT who had come to help. | | | | | | | | | |
| 937 | There was a fight among the females but was | | | | | | | | | |

## Aggression/Received Aggression

(Use additional sheets and describe on back if necessary)

| Time | ID | VD Duration | NvD Duration | Chase | Attack 1 | Attack 2 | Attack 3 | Victim ID | Response of Victim: No | Av | Submission | Tn | Rt | RA | Behavioral Context | Height T or G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 931 | OG | | | | ✓ | | | MP | No | | ✓ | | ✓ | | unknown | g |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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## Copulation

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

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# KPC Behavior

DAY 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWICAGAS FOUND M

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| | not clearly seen. There was a lot of screams | | | | | | | | | |
| | and waarbarks. | | | | | | | | | |
| 940 | QT was heard coughing. (productive). | | | | | | | | | |
| 941 | KK made non vocal displays chasing some lbs | | | | | | | | | |
| | who fled screaming in poor view. | | | | | | | | | |
| 942 | LO was seen with a lot of mucus blocking his nose | | | | | | | | | |
| 943 | LO was heard coughing. | | | | | | | | | |
| 943 | Hand clasp mutual groom | | | | | | | | | Hcg LR⇄PB |
| 944 | Someone was attacked in poor view and fled | | | | | | | | | |
| | screaming as the others waarbarked. | | | | | | | | | |
| 945 | LR grooming PB. | | | | | | | | | |
| 945 | ~~LR~~ KK TJ YB PB | QUOT BLBU WLLR QTTG AL | BOAZ ATTTOG WCLO QV | NP OMOL TDTS AM | L/1sule | ✓ | THV | THV | | |
| 947 | Hand clasp mutual groom | | | | | | | | | Hcg LR⇄PB |
| 948 | LR grooming PB. | | | | | | | | | |
| 958 | Hand clasp mutual groom | | | | | | | | | Hcg KK⇄TG |
| 1000 | ~~LR~~ KK TJ YB PB | QUOT BLBU WLLR QTTG AL | BOAZ ATTTOG WCLO QV | NP OMOL TDTS AM | K/800 | ✓ | THV | THV | | |
| 1003 | KK made non vocal displays and BL | | | | | | | | | |
| | screamed but didn't avoid. | | | | | | | | | |

**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 | | | | | | | | | | | | | | |
| 1003 | KK | | 7Secs | | | | | BL | No | | ✓ | | | | Unknown | 9 |
| | | | | | | | | | | | | | | | | |
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**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 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWICAGAS FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | Hand clasp mutual groom | | | | | | | | | Hcg YB⇆LR |
| 1008 | LR grooming YB. | | | | | | | | | |
| 1010 | Hand clasp mutual groom | | | | | | | | | Hcg YB⇆LR |
| 1012 | LR grooming YB. | | | | | | | | | |
| 1012 | KK playing with Om | | | | | | | | | AP |
| 1015 | LKKK YB PB TJ | OUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TDTSAN NP | J/800 | | | | | |
| 1020 | YB grooming KK. | | | | | | | | | |
| 1022 | KK inspected QT by touching on the Estrous. | | | | | | | | | |
| 1027 | Chimps climbed into FEX at H/900. | | | | | | | | | |
| 1030 | LKKK YB PB TJ | OUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TDTSAN NP | " | ✓ | FEX | RF | | |
| 1036 | OU made attack one to QT by slaping and | | | | | | | | | |
| | she retaliated with arm threats as both of | | | | | | | | | |
| | them screamed and OU fled. | | | | | | | | | |
| 1038 | QT (QV) leaving the feeding tree. | | | | | | | | | |
| 1042 | The rest of the chimps came down except LKYB. | | | | | | | | | |
| 1045 | LKKK YB PB TJ | OUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TDTSAN NP | H/900 | ✓ | FEX | RF | | |
| 1048 | OG playing with TT by wrestling and biting. | | | | | | | | | |
| 1100 | LKKK YB PB TJ | OUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TDTSAN NP | H/900 | | | | | |

**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 |
| 1036 | OU | | | | ✓ | | | QT | NO | | ✓ | | ✓ | | food competetion | T |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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**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 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWICAGAS FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1104 | some IDs were chased in poor view and | | | | | | | | | |
| | fled screaming. | | | | | | | | | |
| 1115 | LKKK YB PB TJ | QUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TD TS AN NP | H/900 | | | | | |
| 1118 | LK YB leaving the FEx last. | | | | | | | | | |
| 1119 | Someone was chased in poor view and | | | | | | | | | |
| | fled screaming. | | | | | | | | | |
| 1119 | KK eating red soil from the roots. | | | | | | | | | SL |
| 1119 | LR approached YB pant grunting and groome him. | | | | | | | | | PTG |
| 1120 | LR grooming LK. | | | | | | | | | |
| 1121 | Hand clasp mutual groom | | | | | | | | | HCG LK⇆LR |
| 1122 | LK grooming LR. | | | | | | | | | |
| 1124 | LR grooming LK. | | | | | | | | | |
| 1130 | LKKK YB PB TJ | QUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TD TS AN NP | 27 /WST | ✓ | URH | RF | | |
| 1145 | LKKK YB PB TJ | QUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TD TS AN NP | " | ✓ | " | " | | |
| 1200 | LKKK YB PB TJ | QUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TD TS AN NP | " | ✓ | " | " | | |
| 1215 | LKKK YB PB TJ | QUOT BL BU WL LR QT TG AL | BOAZ AT TT OG WC LO QV | OMOL TD TS AN NP | " | ✓ | URH | RF | | |
| 1221 | NP drinking water from the stream | | | | | | | | | DR |
| | with her mouth. | | | | | | | | | |

**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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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 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWICAGAS FOUND N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1226 | OT made attack One to TS by slapping and | | | | | | | | | |
| | she retaliated chasing her while waarbarking | | | | | | | | | |
| | and she fled silently. | | | | | | | | | |
| 1230 | Silent cop. and no dart, 7 sec, F→m approach | | | | | | | | | CP TJ→BU |
| 1230 | LKKL YB PB TJ | OUOT BL BU WL LR SJ TS AL | BOAZ AT TTOG WLLO BV | OMOL TD TSAN NP | 27 /WST | ✓ | URH | RF | | |
| 1230 | WL approached TS who made arm threats and | | | | | | | | | |
| | screams, WL approached YB extending hand while | | | | | | | | | |
| | screaming but he ignored. TS also extended a hand | | | | | | | | | |
| | and touched OG's foot and they stopped screaming. | | | | | | | | | |
| 1231 | BU drinking water from the stream | | | | | | | | | DR |
| | with her mouth. | | | | | | | | | |
| 123 | Silent cop. and no dart, secs, F→m approach | | | | | | | | | CP YB→BU |
| 1240 | BU feeding on FOT un-ripe fruit. | | | | | | | | | |
| 1245 | LKKL PG PB YB | BL LR OUOT BU WL SJ TS AL | TTAZ BOAT OG WL BV LO | OMOL TD TSAN NP | CR /WST | ✓ | FOT URH | UF RF | | |
| 1300 | LKKL PG PB YB | BL LR OUOT BU WL SJ TS AL | BOAZ AT TTOG WLLO BV | OMOL TD TSAN NP | 〃 | ✓ | URH | RF | | |
| 1315 | LKKL PG PB YB | BL LR OUOT BU WL SJ TS AL | BOAZ AT TTOG WLLO BV | OMOL TD TSAN NP | 〃 | ✓ | 〃 | 〃 | | |
| 1330 | LKKL PG PB YB | BL LR OUOT BU WL SJ TS AL | BOAZ AT TTOG WLLO BV | OMOL TD TSAN NP | CR /WST | ✓ | 〃 | 〃 | | |
| 1338 | AL LR eating MEO wood. | | | | | | | | | |

## 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 | | | | | | | | | | | | | | |
| 1226 | OT | | | | ✓ | | | TS | No | | ✓ | | ✓ | | Food Competetion | T |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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## Copulation

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart | Who approached? | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 1230 | 7secs | BU | TJ | NO | NO | NO | No | BU | |
| 1235 | 7secs | BU | YB | NO | NO | NO | No | BU | |
| | | | | | | | | | |
| | | | | | | | | | |

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 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWKAGAS FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1345 | LKKK PGPB TJ | BLLR QUOT BUWL QT TG AL | BOAZ ATTTOG WCLO QV | OMOL TDTSAN NP | M/26 | ✓ | URH NEO | RF WD | | |
| 1347 | BL WL QT also feeding on NEO wood. | | | | | | | | | |
| 1400 | LKKK PGPB TJ | BLLR QUOT BUWL QT TG AL | BOAZ ATTTOG WCLO QV | OMOL TDTSAN NP | M/26 | ✓ | NEO URH | WD RF | | |
| 1408 | LO playing with WC by swinging. | | | | | | | | | |
| 1414 | Silent Cop. and no dart, 7 secs, F→m approach | | | | | | | | | CP AT→BU |
| 1415 | LRKK PGPB TJ | BLLR QUOT BUWL QT TG AL | BOAZ ATTTOG WCLO QV | OMOL TDTSAN NP | M/26 | ✓ | URH NEO | RF WD | | |
| 1415 | LR grooming PB. | | | | | | | | | |
| 1417 | AT approached YB pant barking, then KK made | | | | | | | | | |
| | non vocal displays and PBLR AL WL BU fled | | | | | | | | | |
| | screaming and waarbarking. | | | | | | | | | |
| 1418 | YB approached KK pant grunting and | | | | | | | | | PTG |
| | groomed him. | | | | | | | | | |
| 1420 | Chain groom, LR→YB→KK. | | | | | | | | | |
| 1421 | YB grooming KK. | | | | | | | | | |
| 1422 | Someone threatened AT who fled screaming. | | | | | | | | | |
| 1423 | Chain groom, LR→KK→YB. | | | | | | | | | |
| 1430 | LKKK PGPB TJ | BLLR QUOT BUWL QT TG AL | BOAZ ATTTOG WCLO QV | OMOL TDTSAN NP | M/26 | ✓ | NEO URH | WD RF | | |
| 1436 | AZ playing with TS by touching and wrestling. | | | | | | | | | |

**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 | | | | | | | | | | | | | | |
| 1417 | KK | | 5secs | | | | | PBLRAL | | F | ✓ | | | | Unknown | G |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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**Copulation**

| Time | Duration | Fem | Male | Interfere? | Groom? | Scream? | Dart | Who approached? | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 1414 | 7secs | BU | AT | NO | NO | NO | NO | BU | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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 11th MONTH 08 YEAR 2009 KPC Fm OTHERS TWK FOUND N

| Time | Party Composition AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1438 | LR grooming YB. | | | | | | | | | |
| 1438 | KK approached AZ TS as they played and he | | | | | | | | | |
| | bite AZ who fled screaming. | | | | | | | | | |
| 1439 | LR grooming PB. | | | | | | | | | |
| 1440 | PB grooming LR. | | | | | | | | | |
| 1445 | LKKK PGPB TJ | BLLR QUOT BUWL QTTG AL | BOAZ ATTTOG WCLO QV | NP OMOL TDTSAN | M/26 | ✓ | MEO URH | WD RF | | |
| 1447 | LR playing with LO by tickling and biting. | | | | | | | | | AP |
| 1448 | TT playing with TS by wrestling and rotating. | | | | | | | | | |
| 1451 | WL playing with WC by biting and touching. | | | | | | | | | AP |
| 1455 | LR pant grunted to LK who ignored. | | | | | | | | | PTG |
| 1455 | LK grooming KK. | | | | | | | | | |
| 1456 | LR playing with TT by biting and tickling. | | | | | | | | | AP |
| 1459 | YB grooming KK and LR grooming LK. | | | | | | | | | |
| 1500 | LKKK PG PB TJ | AL BLLR QUOT BUWL QTTG | BOAZ ATTTOG WCLO QV | NP OMOL TDTSAN | M/26 | ✓ | MEO URH | WD RF | | |
| 1501 | Hand clasp mutual groom | | | | | | | | | HCG LK⇆KK |
| 1502 | LR grooming WL and KK grooming LK. | | | | | | | | | |
| 1503 | Hand clasp mutual groom | | | | | | | | | HCG LK⇆KK |
| 1504 | KK grooming LK. | | | | | | | | | |

**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 | | | | | | | | | | | | | | |
| 1438 | KK | | | | ✓ | | | AZ | | F | ✓ | | | | Unknown | G |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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**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?)

1508 ↓ left chimps with other obs.