DAY 4th MONTH DEC YEAR 2nd OBS-PC KJ OBS — OTH TW FOUND N

| | ST TU | BB YB | AJ MS | LK KK | PG ES | PB YJ | BL | BU | BO | MU MX | MN | OU OY | OG OW | OL | TG TT | TS TD | UM UN | AL | AT | AZ | AN | LR | LO | WA WE | WL WC | QT | QV | RD | ML | NP | EU | GRID | MNK | SP | PT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:15 | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | N126 | | UVA | RF |
| 12:30 | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | UVA | RF |
| 12:45 | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | — | — |
| 13:00 | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | MGB | CCA | RF |
| 13:15 | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | ↓ | " | CCA | RF |
| 13:30 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | | | | | | | N126 | " | CCA | RF |
| 13:45 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | | | | | | | 0126 | | TRI | YL |
| 14:00 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | | | | | | | | | SCA | RF |
| 14:15 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | | | | | ↓ | ↓ |
| 14:30 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | | | | | SCA | RF |
| 14:45 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | | | | | ↓ | ↓ |
| 15:00 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | | | 0126 | | — | — |
| 15:15 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | 0126 | | UVA | RF |
| 15:30 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | ↓ | ↓ |
| 15:45 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | UVA | RF |
| 16:00 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | ↓ | ↓ |
| 16:15 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | UVA | RF |
| 16:30 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | — | — |
| 16:45 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | — | — |
| 17:00 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | | | CCA | RF |
| 17:15 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | P126 | | — | — |
| 17:30 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | 0127 | JJ | FBR | RF |
| 17:45 | | | | | | X | | | | | | | | | X | X | | | | | | | X | X | | X | | | | X | | 0127 | RR | FBR | RF |
| 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 YJ | BL | BU | BO | MU MX | MN | OU OY | OG OW | OL | TG TT | TS TD | UM UN | AL | AT | AZ | AN | LR | LO | WA WE | WL WC | QT | QV | RD | ML | NP | EU | GRID | MNK | SP | PT |
| Health | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COMMENTS Started collecting data when chimps separate.

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 #

LR①

# KPC Behavior

Day 04 Month DEC Year 2009 KPC KJ Others TW Found N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1210 | LR separated from the rest and moved alon. | | | | | | | | | |
| 1215 | | LR | LO | | K/15 | ✓ | UVA | RF | ∅ | |
| 1230 | | LR | LO | | 11 | ✓ | UVA | RF | ∅ | |
| 124 | | LR | LO | | L/13 | | | | ∅ | |
| 1246 | LR (LO) climbed into cordia and started feeding on RF. | | | | | | | | | |
| 1300 | | LR | LO | TS TD | L/13 | ✓ | COA | RF | MGB | |
| 1315 | | LR | LO | TS TD | 11 | ✓ | COA | RF | MGB | |
| 1328 | TG family joined LR. | | | | | | | | | |
| 1330 | TJ | LR TG | LO TT | TS TD | L/13 | ✓ | COA | RF | MGB | |
| 1331 | LR (LO) coming down from cordia | | | | | | | | | |
| 1339 | LR grooming TJ | | | | | | | | | |
| 1342 | TJ feeding on TRI 4L | | | | | | | | | |
| 1345 | TG | LR TG | LO TT | TS TD | N/CT | ✓ | TRI | 4L | ∅ | |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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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 04 Month DEC Year 2009 KPC KJ Others TW LC Found N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1354 | chimps | climbed | secamone and | started | | | | | | |
| | feeding | on RF. | | | | | | | | |
| 1400 | TJ | LR TG | LOTT | TDTS | CT/P | V | SCA | RF | ∅ | |
| 1408 | WL (WD | joined the party and | she | made | | | | | | |
| | pant grunts. | Others | did | not | respond. | | | | | |
| 1415 | TJ | LR TG WL | LOTT WC | TDTS | P/CT | V | SCA | RF | ∅ | |
| 1430 | TJ | LR WL TG | LOTT WC | TDTS | " | V | SCA | RF | ∅ | |
| 1441 | LR coming | down | from | secamone | | | | | | |
| 1445 | TJ | WL TG LR | LOTT WC | TDTS | P/CT | V | SCA | RF | ∅ | |
| 1448 | TJ STS | coming | down | followed | by | TG | TD | | | |
| 1457 | TG TJ TT | and LO | drinking | water | from | | | | | OR |
| | the | stream. | | | | | | | | |
| 1500 | TJ | WL TG LR | LOWC TT | TDTS | 10/7 | | | | ∅ | |
| 1506 | chimps | joined | NP | who | made | pant | barks. | | | |

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

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

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**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 04 Month DEC Year 2009 KPC KJ Others TW IC Found N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1508 | TT started playing with NP by wrestling | | | | | | | | | |
| 1515 | TJ | TG LR WL | TT LO WC | TS NP TD | 5/JG | ✓ | UVA | RF | Ø | |
| 1530 | TJ | TG LR WL | TT LO WC | TS TD NP | " | ✓ | UVA | RF | Ø | |
| 1545 | TJ | TG LR WL | TT LO WC | TS TD NP | " | ✓ | UVA | RF | Ø | |
| 1600 | TJ | TG LR WL | TT LO WC | TD TS NP | " | ✓ | UVA | RF | Ø | |
| 1615 | TJ | TG LR WL | TT LO WC | TD TS NP | C/4 | | | | Ø | |
| "20 | LR (LO) went missing and are out of the party. | | | | | | | | | |
| 1630 | TJ | TG WL | TT WC | TD TS NP | C/200 | | | | Ø | |
| 1633 | chimps climbed into cordia and started | | | | | | | | | |
| | feeding but TJ didn't | | | | | | | | | |
| 1645 | TJ | TG WL | TT WC | TD TS NP | C/200 | ✓ | COA | RF | Ø | |
| 1658 | chimps coming down from cordia. | | | | | | | | | |
| 1700 | TJ | TG WL | TT WC | TD TS NP | C/200 | | | | Ø | |
| 1705 | NP grooming TS | | | | | | | | | |
| 1708 | TS grooming NP. | | | | | | | | | |

**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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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 04 Month DEC Year 2009 KPC KJ Others TW JC Found N

| Time | Party Composition: AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | Loc | F | SP | PT | MNK | BEH |
|---|---|---|---|---|---|---|---|---|---|---|
| 1710 | NP grooming TS. | | | | | | | | | |
| 1715 | YJ | YG WL | YT WC | TS TD NP | C/200 | | | | BLU MGB | |
| 1716 | TG feeding on PTE YL. | | | | | | | | | |
| 1729 | chimps | climbed into FBR and started | | | | | | | | |
| | feeding on RF. | | | | | | | | | |
| 1730 | TJ | TG WL | TT WC | TS TD NP | B/400 | ✓ | FBR | RF | MGB BLU | |
| 1745 | TJ | TG WL | TT WC | TS TD NP | " | ✓ | FBR | RF | " | |
| 1755 | It started raining | | | | | | | | | |
| 1800 | TJ | TG WL | TT WC | TS TD NP | B/400 | ✓ | FBR | RF | MGB BLU | |
| 1802 | chimps | coming out of FBR. | | | | | | | | |
| 1805 | TG started | making a night nest in | | | | | | | | |
| | UVA of | about 27c dbh at | | | 18 metres high. | | | | | |
| 1810 | OBS left | the chimps and it was only TG who | | | | | | | | |
| | had nested. | | | | | | | | | |
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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 | | | | | | 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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