DAY 21st MONTH FEB YEAR 09 OBS-PC SM TMF/40 SJTWMK HOW FOUND FT

| | ST | TU | BB | YB | AJ | MS | LK | KK | PG | ES | PB | TJ | AM | BL | BU | BO | MU | MX | OU | OK | OT | OG | OM | TG | TT | TS | UM | UN | AL | AT | AZ | LR | LO | WA | WE | WL | QT | JK | HH | LS | NP | EU | GRID | MNK | SP | PT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Estrus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | M/26 | None | FCP | RF |
| 7:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | " | " | " | " |
| 7:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | " | " | " | " |
| 8:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | ✓ | | FDA | RF |
| 8:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | M/26 | | " | " |
| 8:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | L/25 | | FUR | RF |
| 8:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | — | — |
| 9:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | FEX | RF |
| 9:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | FBR | RF |
| 9:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 9:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 10:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 10:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | None | | |
| 10:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | Blu | | |
| 10:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 11:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 11:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | ✓ | | |
| 11:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | ✓ | Blu | FBR | RF |
| 11:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | L/25 | None | — | — |
| 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | K/25 | | — | — |
| 12:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | J/25 | | CAF | YL |
| 12:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | " | ✓ | " | " |
| 12:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | " | None | " | " |
| | ST | TU | BB | YB | AJ | MS | LK | KK | PG | ES | PB | TJ | AM | BL | BU | BO | MU | MX | OU | OK | OT | OG | OM | TG | TT | TS | UM | UN | AL | AT | AZ | LR | LO | WA | WE | WL | QT | JK | HH | LS | NP | EU | | | | |
| 13:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | J/25 | None | — | — |
| 13:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | — | — |
| 13:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | CAF | YL |
| 13:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | — | — |
| 14:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | FBR | RF |
| 14:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 14:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 14:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | | |
| 15:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | FBR | RF |
| 15:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | — | — |
| 15:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | — | — |
| 15:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | | FBR | RF |
| 16:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | ✓ | | |
| 16:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | None | | |
| 16:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | BWC | | |
| 16:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | " | ✓ | " |
| 17:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | " | FBR | RF |
| 17:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | * | CAF | YL |
| 17:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | * | " | " |
| 17:45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | | * | " | " |
| 18:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | ✓ | * | — | — |
| 18:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | X | | J/25 | BWC | — | — |
| 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 | AM | BL | BU | BO | MU | MX | OU | OK | OT | OG | OM | TG | TT | TS | UM | UN | AL | AT | AZ | LR | LO | WA | WE | WL | QT | JK | HH | LS | NP | EU | GRID | MNK | SP | PT |
| Health | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | 1 | | | | | |

COMMENTS 1715 — 1800 BWC RDT and Blu.

**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

AL (1)

# KPC Behavior

DAY 21st MONTH FEB YEAR 09 OBSERVER MK SM SJ TN Found: C (FT) FFT N Other_____

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | | | | | | |
| 713 | OBS found chimps in FCP tree feeding on ripe | | | | | | | | | |
| | fruits at B/27 | | | | | | | | | |
| 715 | | AL | AT AZ | NP | B/27 | ✓ | FCP | RF | Ø | |
| 719 | AT chased NP in a feeding tree. She fled screaming | | | | | | | | | |
| 730 | | AL | AT AZ | NP | B/27 | ✓ | FCP | RF | Ø | |
| 743 | AL grooming AT | | | | | | | | | |
| 745 | | AL | AT AZ | NP | B/27 | ✓ | FCP | RF | Ø | |
| 753 | Chimps climbed down on ground then moving | | | | | | | | | |
| 756 | Chimps climbed into FDA tree and started feeding | | | | | | | | | |
| | on ripe fruits | | | | | | | | | |
| 800 | | AL | AT AZ | NP | B/27 | ✓ | FBA | RF | Ø | |
| 815 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 823 | Chimps climbed down on ground then moving | | | | | | | | | |
| 828 | AT and AL feeding on red soil from roots of | | | | | | | | | |
| | a fallen tree | | | | | | | | | |
| 829 | NP feeding on red soil from roots of a fallen tree | | | | | | | | | |
| 830 | | AL | AT AZ | NP | 4/28 | ✓ | FUR | RF | Ø | |
| 845 | | AL | AT AZ | NP | " | | | | Ø | |
| 858 | Chimps climbed into FEX tree and started feeding | | | | | | | | | |
| | on ripe fruits | | | | | | | | | |

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 21st MONTH FEB YEAR 09 OBSERVER TC MK SM SJ TW Found: C (FT) FFT N Other_____

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | | | | | | |
| 900 | | AL | AT AZ | NP | M/27 | ✓ | FEX | RF | Ø | |
| 907 | chimps leaving the feeding tree to ground | | | | | | | | | |
| | then moving | | | | | | | | | |
| 912 | chimps climbed into FBR tree and started | | | | | | | | | |
| | feeding on ripe fruits | | | | | | | | | |
| 915 | | AL | AT AZ | NP | 27/crd | ✓ | FBR | RF | Ø | |
| 918 | AL made waaa barks and chassed NP who | | | | | | | | | |
| | fled screaming | | | | | | | | | |
| 916 | AT chassed NP she fled screaming | | | | | | | | | |
| 930 | | AL | AT AZ | NP | 27/crd | ✓ | FBL | RF | Ø | |
| 945 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1000 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1015 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1030 | | AL | AT AZ | NP | " | ✓ | " | " | BLM | |
| 1045 | | AL | AT AZ | NP | " | ✓ | " | " | " | |
| 1050 | AT build a day nest and rest tree = U | | | | | | | | | VA |
| | HT = 16m high | | | | | | | | | |
| 1100 | | AL | AT AZ | NP | 27/crd | ✓ | FBR | RF | BLM | |
| 1115 | | AL | AT AZ | NP | " | ✓ | " | " | " | |
| 1124 | AT leaving the nest | | | | | | | | | |

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 21st MONTH FEB YEAR 09 OBSERVER TCMK SMSJW 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1130 | | AL | AT AZ | NP | 27 crd | ✓ | FBK | RF | Blue | |
| 1143 | Chimps climbed down on ground then moving | | | | | | | | | |
| 1145 | | AL | AT AZ | | 27 crd | | | | Ø | |
| 1200 | | AL | AT AZ | | WB crd | | | | Ø | |
| 1205 | Chimps climbed into CAF tree and started feeding on young leaves | | | | | | | | | |
| 1215 | | AL | AT AZ | NP | 1E 2S | ✓ | CAF | YL | Ø | |
| 1216 | AT made attack (1) to NP with slaps she screamed and roar bark but not avoiding | | | | | | | | | |
| 1230 | | AL | AT AZ | NP | 1E 2S | ✓ | CAF | YL | Ø | |
| 1245 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1245 | AT build a day nest with in feeding tree then rest HT = 14m high | | | | | | | | | |
| 1300 | | AL | AT AZ | NP | 1E 2S | | | | Ø | |
| 1315 | | AL | AT AZ | NP | " | | | | Ø | |
| 1330 | | AL | AT AZ | NP | " | ✓ | CAF | YL | Ø | |
| 1337 | AT grooming NP | | | | | | | | | |
| 1341 | Chimps leaving the tree and rest in a poor view | | | | | | | | | |
| 1348 | AL grooming AZ | | | | | | | | | |

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 21st MONTH FEB YEAR 09 OBSERVER SM SJ TW TCMK Found: C (FT) FFT N Other_____

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | | | | | | |
| 1345 | | AL | AT AZ | NP | 1E/2S | | | | Ø | |
| 1351 | NP grooming AZ | | | | | | | | | |
| 1353 | Chimps entered into FBR tree and started | | | | | | | | | |
| | feeding on ripe | | | | | | | | | |
| 1400 | | AL | AT AZ | NP | 1E/2S | ✓ | FBR | RF | Ø | |
| 1415 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1430 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1432 | NP feeding on FBR bark | | | | | | | | | |
| 1445 | | AL | AT AZ | NP | 1S/2S | ✓ | FBR | RF | Ø | |
| 1500 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1515 | | AL | AT AZ | NP | " | | | | Ø | |
| 1530 | | AL | AT AZ | NP | " | | | | Ø | |
| 1545 | | AL | AT AZ | NP | " | ✓ | FBR | RF | Ø | |
| 1600 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1615 | | AL | AT AZ | NP | " | ✓ | " | " | Ø | |
| 1630 | | AL | AT AZ | NP | " | ✓ | " | " | BWC | |
| 1645 | | AL | AT AZ | NP | " | ✓ | " | " | " | |
| 1657 | NP entered in CAF tree and started feeding | | | | | | | | | |
| | on young leaves | | | | | | | | | |
| 1709 | | AL | AT AZ | NP | 1E/2S | ✓ | FBR CAF | RF YL | BWC | |

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

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# KPC Behavior

DAY 21st MONTH FEB YEAR 09 OBSERVER MK SM TWIC Found: C (FT) FFT N Other_____

| Time | Party Composition | | | | Loc | F | SP | PT | MNK | BEH CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| | AMM | AFF (Include estrous) | JMM (Juveniles and Infants) | JFF | | | | | | |
| 1712 | AT grooming AZ | | | | | | | | | |
| 1714 | Chimps leaving the feeding tree and moving | | | | | | | | | |
| 1715 | | AL | AT AZ | NP | 1E/2S | ✓ | CAF | YL | BWC RDT BW | |
| 1718 | AL AZ AT joined NP in CAF tree | | | | | | | | | |
| 1720 | AT made arm threat to NP who avoid casual | | | | | | | | | |
| | screaming | | | | | | | | | |
| 1730 | | AL | AT AZ | NP | 1E/2S | ✓ | CAF | YL | BWC RDT BW | |
| 1745 | | AL | AT AZ | NP | " | ✓ | " | " | " | |
| 1755 | Chimps leaving the feeding tree | | | | | | | | | |
| 1759 | AL build aright nest and rest tree = DOSP | | | | | | | | | |
| | HT = 28 m Dbh = 26 cm | | | | | | | | | |
| 1800 | | AL | AT AZ | NP | 1E/2S | | | | BWC RDT BW | |
| 1812 | NP build aright nest and rest tree = DOSP | | | | | | | | | |
| | HT = 35 m Dbh = 52 cm | | | | | | | | | |
| 1815 | | AL | AT AZ | NP | 1E/2S | | | | BWC | |
| 1820 | OBS leaving the nest site | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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):

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