(a) 2 m temperature
(b) surface skin temperature
(c) air-surface temperature difference
(d) specific humidity
(e) convective available potential energy

condensation (53 %)

convection (29 %)

long-wave cooling (13 %)

(f) (g) (h) (i) (j)

(k) (l) (m) (n) (o)

4°N 2°N 0° 2°S 4°S
4°W 2°W 0° 2°E 4°E

T2m (°C)
4 6 8 10 12 14 16 18 20

SKT (°C)
4 6 8 10 12 14 16 18 20

T2m - SKT (K)
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6

Q (g kg^{-1})
2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8

CAPE (J kg^{-1})
0 20 40 60 80 100 120 140