

	EXP _{ALL}		EXP _{C₄} - EXP _{ALL}		EXP _{TE,C₄} - EXP _{ALL}		EXP _{SRG,C₄} - EXP _{ALL}		EXP _{TD₁₀} - EXP _{ALL}	
	Region 1	Region 2	Region 1	Region 2	Region 1	Region 2	Region 1	Region 2	Region 1	Region 2
Land surface parameters										
Vegetation cover fraction (-)	0.40 (0.22)	0.98 (0.04)	0.44 (0.21)	0.02 (0.04)	0.34 (0.21)	0.01 (0.04)	-0.12 (0.13)	-0.40 (0.08)	0.31 (0.16)	0.01 (0.04)
Leaf area index (m ² (leaf), m ⁻² (canopy))	1.33 (0.43)	3.00 (0.7)	0.18 (0.33)	-0.43 (0.38)	0.03 (0.32)	0.02 (0.04)	-0.30 (0.17)	-1.11 (0.57)	0.15 (0.15)	0.09 (0.06)
Albedo (-)	0.28 (0.07)	0.17 (0.01)	-0.07 (0.06)	0.02 (0.01)	-0.06 (0.05)	-0.001 (0.001)	0.03 (0.04)	0.01 (0.02)	-0.07 (0.06)	-0.001 (0.001)
Roughness length (m)	0.08 (0.07)	1.32 (0.69)	-0.03 (0.07)	-1.24 (0.68)	0.03 (0.09)	0.07 (0.09)	-0.04 (0.06)	-1.19 (0.64)	0.13 (0.07)	0.11 (0.10)
Surface energy budget										
Solar net radiation (W m ⁻²)	275.26 (14.03)	289.79 (3.95)	12.33 (12.00)	-2.62 (1.46)	10.78 (10.37)	0.005 (0.34)	-4.76 (7.24)	1.11 (4.24)	11.55 (11.10)	-0.85 (0.55)
Sensible heat flux (W m ⁻²)	61.88 (10.55)	47.18 (17.15)	6.38 (11.00)	-1.36 (3.82)	7.17 (9.10)	-0.32 (0.68)	-3.77 (6.26)	2.54 (5.23)	9.90 (10.42)	-2.09 (1.1)
Latent heat flux (W m ⁻²)	20.07 (7.88)	70.12 (22.70)	5.21 (2.88)	-6.27 (4.75)	2.17 (2.29)	0.53 (0.88)	-4.31 (2.74)	-7.63 (3.72)	5.64 (2.26)	2.41 (1.31)
2 m temperature (°C)	24.95 (1.54)	26.21 (1.42)	0.46 (0.28)	0.47 (0.21)	0.50 (0.29)	0.04 (0.07)	-0.07 (0.11)	0.73 (0.28)	0.37 (0.29)	-0.07 (0.08)
Cloud cover (-)	0.35 (0.04)	0.53 (0.06)	0.01 (0.002)	-0.02 (0.01)	0.003 (0.002)	-0.002 (0.004)	-0.02 (0.003)	-0.03 (0.003)	0.02 (0.005)	0.01 (0.004)
Hydrological cycle										
Precipitation (mm yr ⁻¹)	275.58 (104.64)	1140.86 (352.69)	84.87 (34.72)	-76.19 (83.79)	35.24 (28.97)	24.81 (17.03)	-56.11 (33.16)	-110.25 (45.96)	82.73 (33.88)	82.88 (40.40)
Evapotranspiration (mm yr ⁻¹)	253.31 (99.45)	884.82 (286.44)	65.76 (36.30)	-79.16 (59.91)	27.50 (28.84)	6.69 (11.10)	-54.33 (34.55)	-96.23 (46.88)	71.29 (28.56)	30.37 (16.58)
Integrated water vapour (kg m ²)	20.49 (1.86)	32.62 (3.52)	0.62 (0.09)	-0.40 (0.47)	0.09 (0.08)	0.09 (0.09)	-0.95 (0.24)	-1.40 (0.16)	0.84 (0.30)	0.73 (0.23)