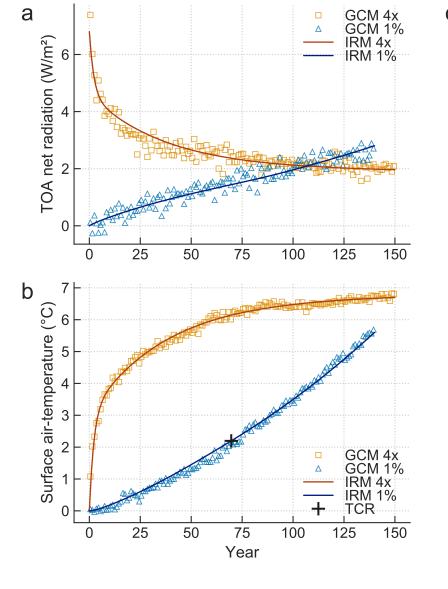
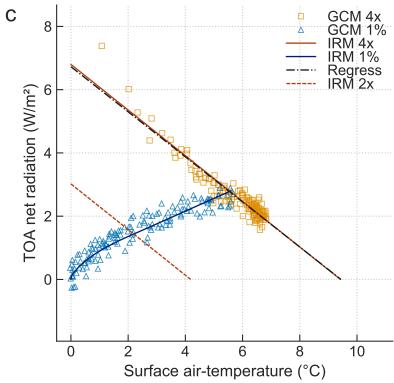
ACCESS-CM2

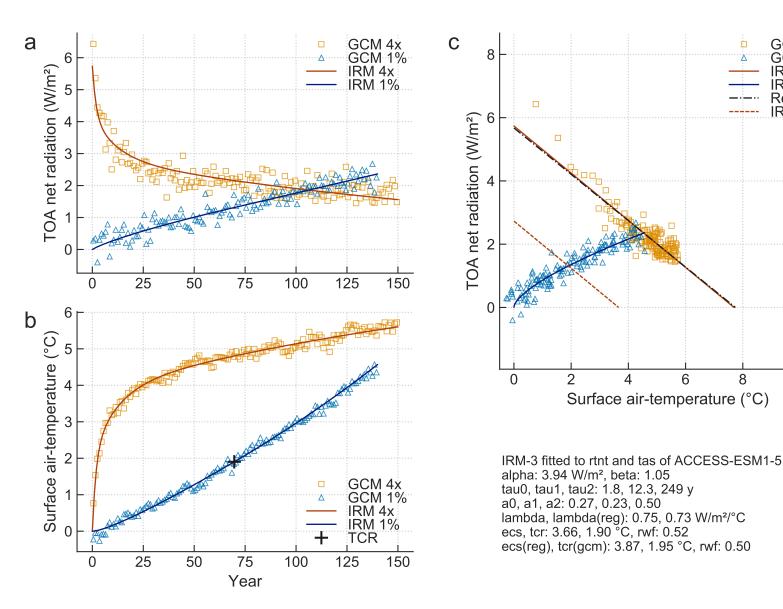




IRM-3 fitted to rtnt and tas of ACCESS-CM2 alpha: 4.36 W/m², beta: 1.13 tau0, tau1, tau2: 2.16, 37.5, 3.64e+03 y a0, a1, a2: 0.32, 0.38, 0.29 lambda, lambda(reg): 0.72, 0.71 W/m²/°C ecs, tcr: 4.19, 2.20 °C, rwf: 0.52 ecs(reg), tcr(gcm): 4.72, 2.11 °C, rwf: 0.45

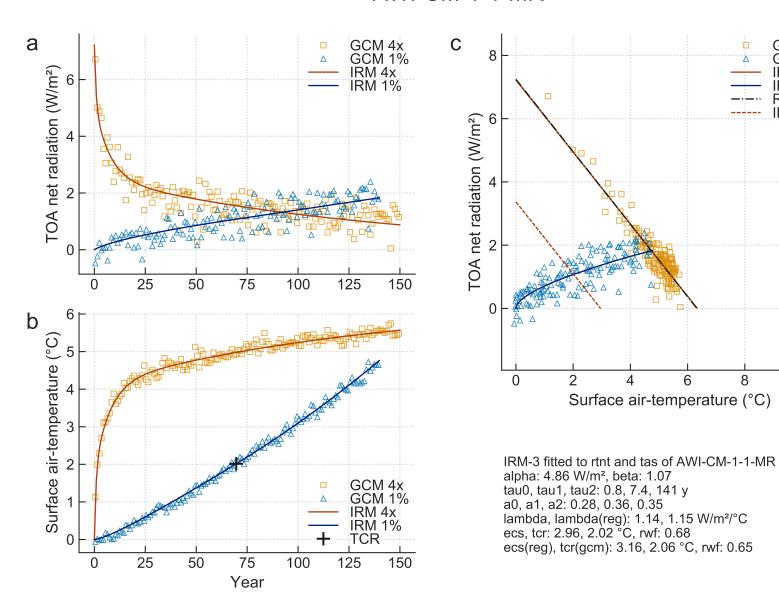
ACCESS-ESM1-5

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x

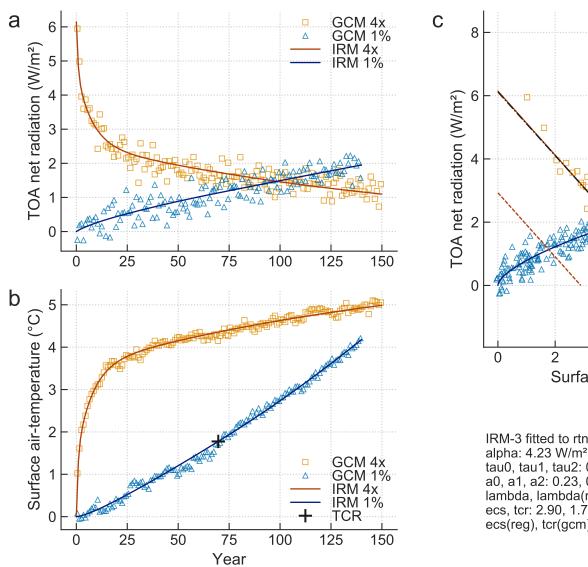


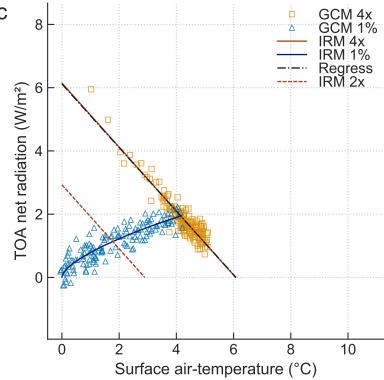
AWI-CM-1-1-MR

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



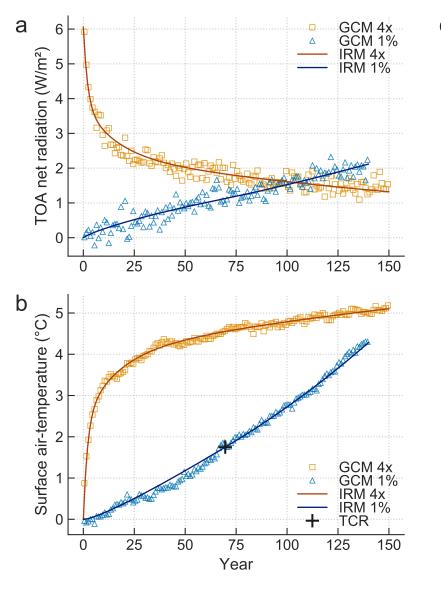
BCC-CSM2-MR

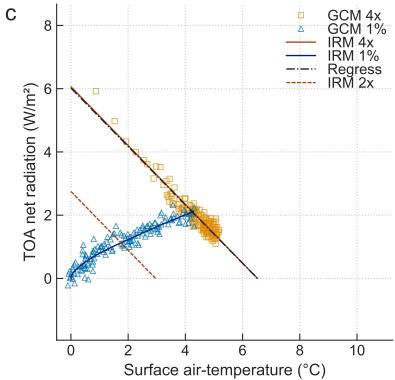




IRM-3 fitted to rtnt and tas of BCC-CSM2-MR alpha: 4.23 W/m², beta: 1.05 tau0, tau1, tau2: 0.769, 7.51, 175 y a0, a1, a2: 0.23, 0.35, 0.42 lambda, lambda(reg): 1.01, 1.01 W/m²/°C ecs, tcr: 2.90, 1.78 °C, rwf: 0.61 ecs(reg), tcr(gcm): 3.04, 1.73 °C, rwf: 0.57

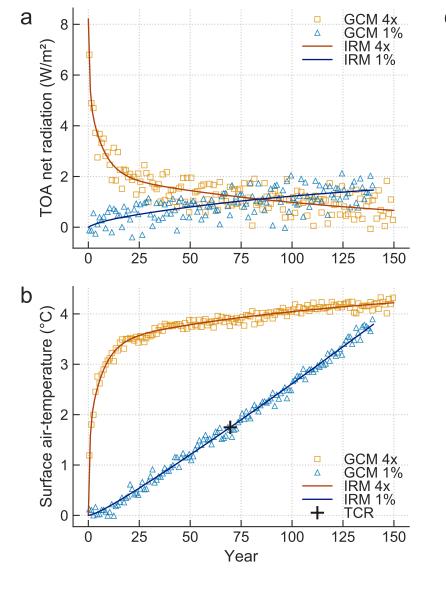
BCC-ESM1

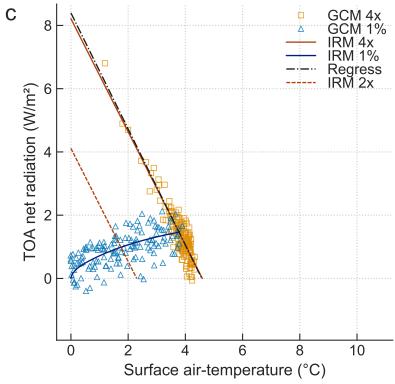




IRM-3 fitted to rtnt and tas of BCC-ESM1 alpha: 3.97 W/m², beta: 1.10 tau0, tau1, tau2: 2.03, 15.9, 253 y a0, a1, a2: 0.37, 0.24, 0.39 lambda, lambda(reg): 0.93, 0.92 W/m²/°C ecs, tcr: 2.96, 1.75 °C, rwf: 0.59 ecs(reg), tcr(gcm): 3.26, 1.78 °C, rwf: 0.55

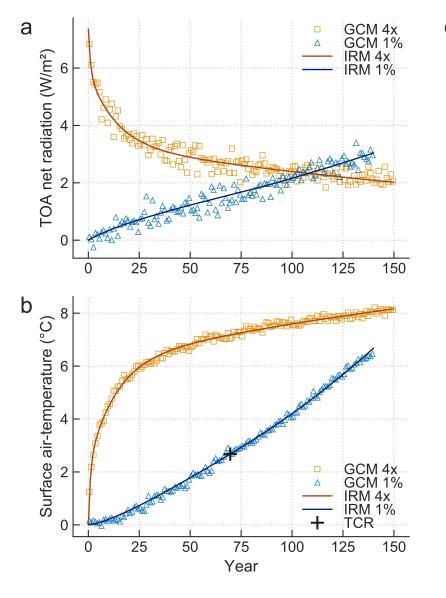
CAMS-CSM1-0

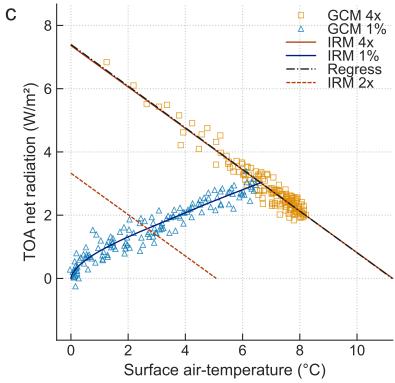




IRM-3 fitted to rtnt and tas of CAMS-CSM1-0 alpha: $5.93~W/m^2$, beta: 1.00~tau0, tau1, tau2: 0.588, 6.71, 129~y a0, a1, a2: 0.35, 0.39, 0.26~tambda, tambda, tambda

CanESM5

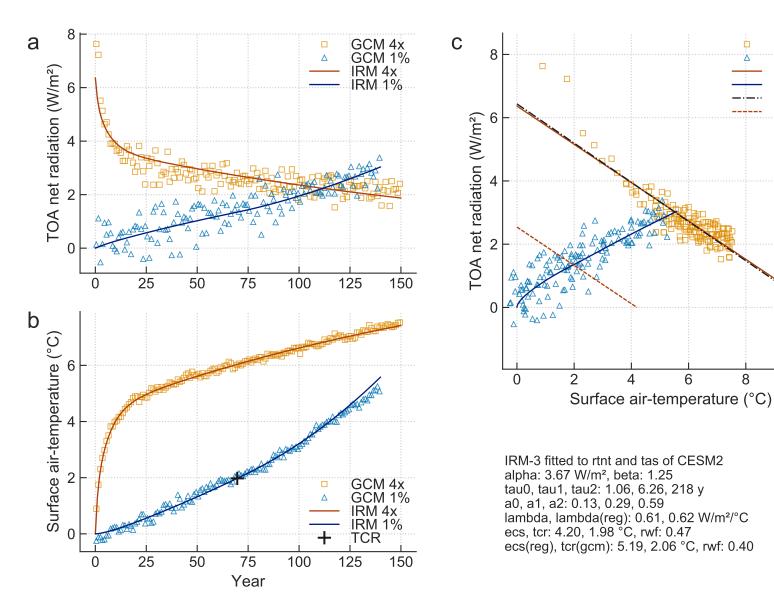




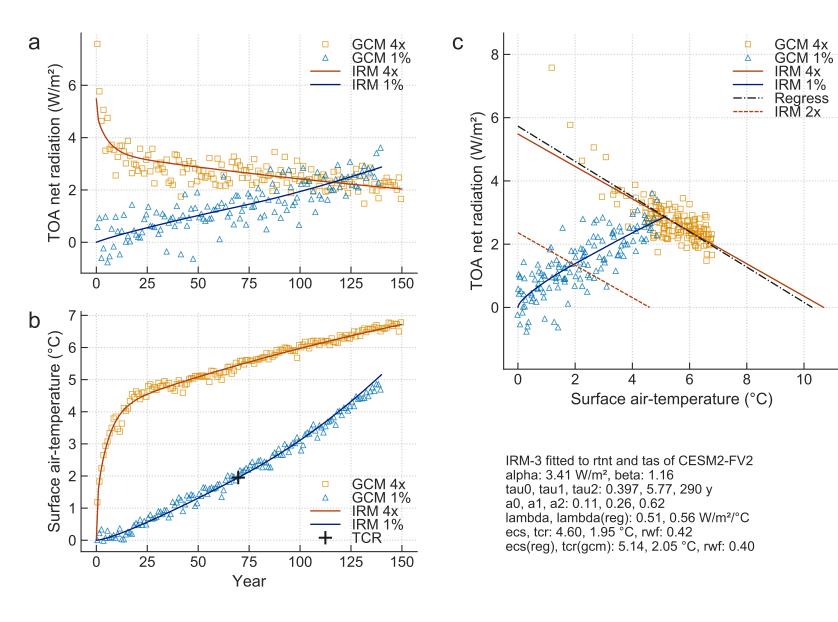
IRM-3 fitted to rtnt and tas of CanESM5 alpha: 4.80 W/m², beta: 1.11 tau0, tau1, tau2: 0.999, 13.3, 296 y a0, a1, a2: 0.20, 0.34, 0.46 lambda, lambda(reg): 0.65, 0.66 W/m²/°C ecs, tcr: 5.08, 2.67 °C, rwf: 0.53 ecs(reg), tcr(gcm): 5.62, 2.74 °C, rwf: 0.49

CESM2

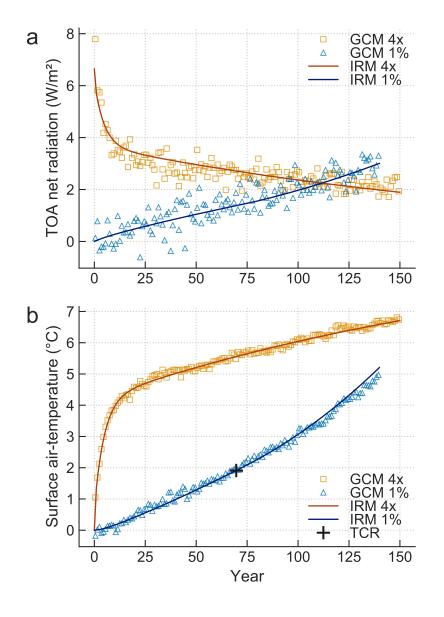
GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x

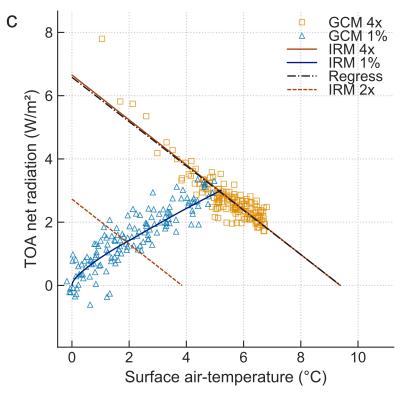


CESM2-FV2



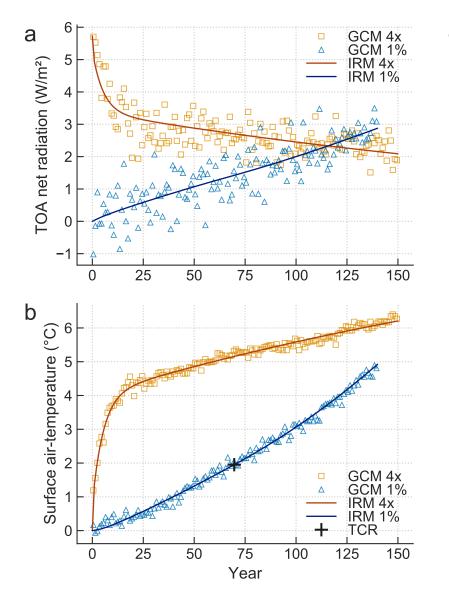
CESM2-WACCM

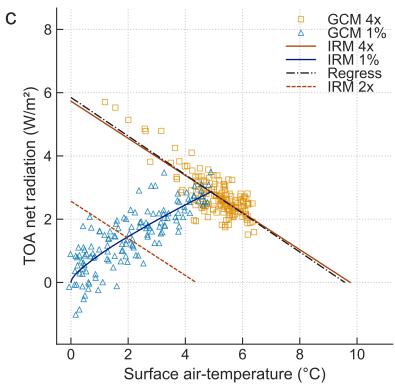




IRM-3 fitted to rtnt and tas of CESM2-WACCM alpha: 3.94 W/m², beta: 1.22 tau0, tau1, tau2: 0.269, 4.79, 224 y a0, a1, a2: 0.07, 0.37, 0.56 lambda, lambda(reg): 0.71, 0.70 W/m²/°C ecs, tcr: 3.85, 1.91 °C, rwf: 0.50 ecs(reg), tcr(gcm): 4.70, 1.98 °C, rwf: 0.42

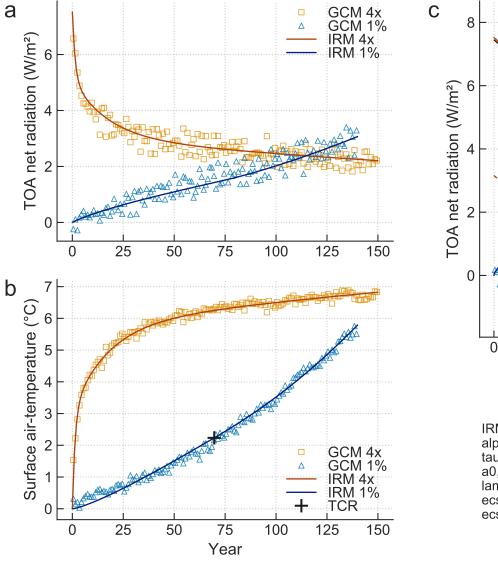
CESM2-WACCM-FV2

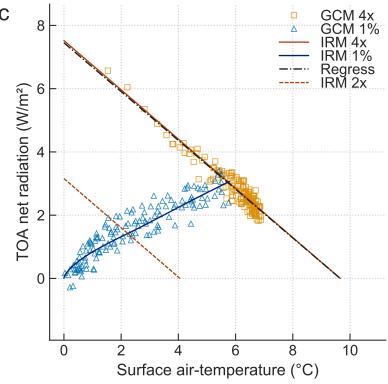




IRM-3 fitted to rtnt and tas of CESM2-WACCM-FV2 alpha: 3.70 W/m², beta: 1.12 tau0, tau1, tau2: 0.0252, 5.33, 311 y a0, a1, a2: 0.08, 0.33, 0.59 lambda, lambda(reg): 0.59, 0.61 W/m²/°C ecs, tcr: 4.38, 1.95 °C, rwf: 0.45 ecs(reg), tcr(gcm): 4.79, 2.01 °C, rwf: 0.42

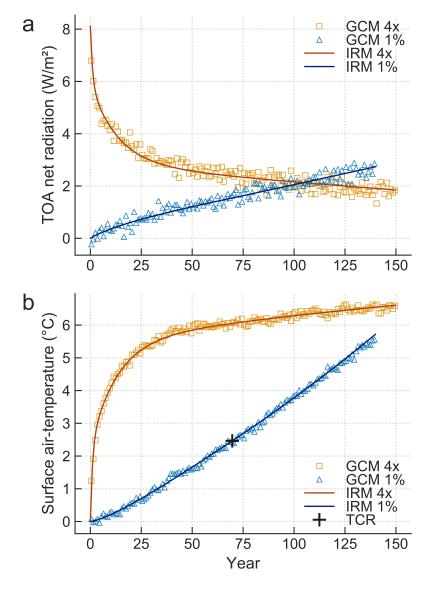
CNRM-CM6-1

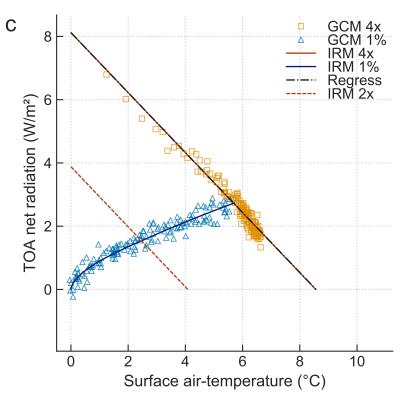




IRM-3 fitted to rtnt and tas of CNRM-CM6-1 alpha: 4.56 W/m², beta: 1.19 tau0, tau1, tau2: 1.37, 17.3, 471 y a0, a1, a2: 0.32, 0.28, 0.40 lambda, lambda(reg): 0.78, 0.77 W/m²/°C ecs, tcr: 4.06, 2.23 °C, rwf: 0.55 ecs(reg), tcr(gcm): 4.83, 2.13 °C, rwf: 0.44

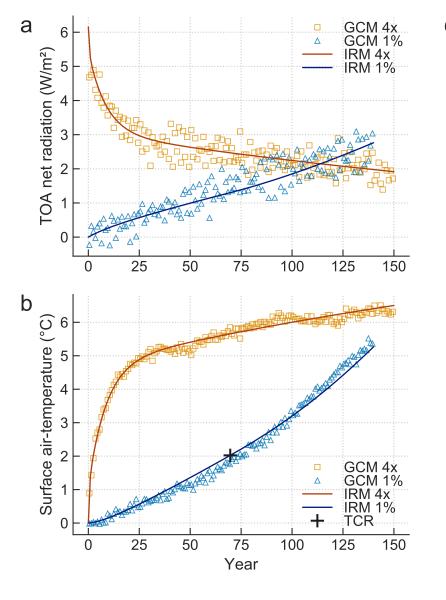
CNRM-CM6-1-HR

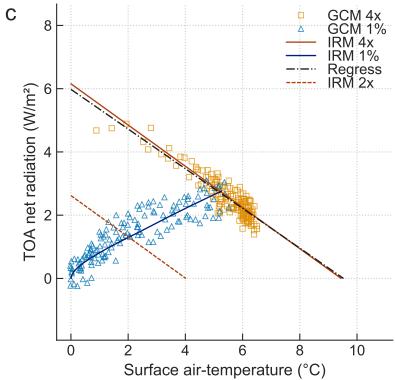




IRM-3 fitted to rtnt and tas of CNRM-CM6-1-HR alpha: 5.60 W/m², beta: 1.05 tau0, tau1, tau2: 1.02, 13, 328 y a0, a1, a2: 0.27, 0.37, 0.36 lambda, lambda(reg): 0.95, 0.95 W/m²/°C ecs, tcr: 4.09, 2.46 °C, rwf: 0.60 ecs(reg), tcr(gcm): 4.28, 2.47 °C, rwf: 0.58

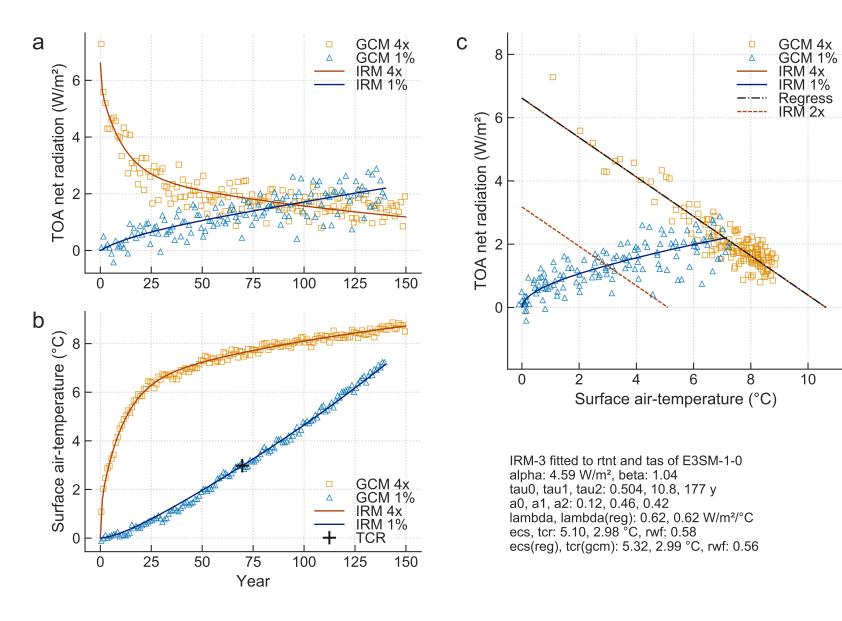
CNRM-ESM2-1





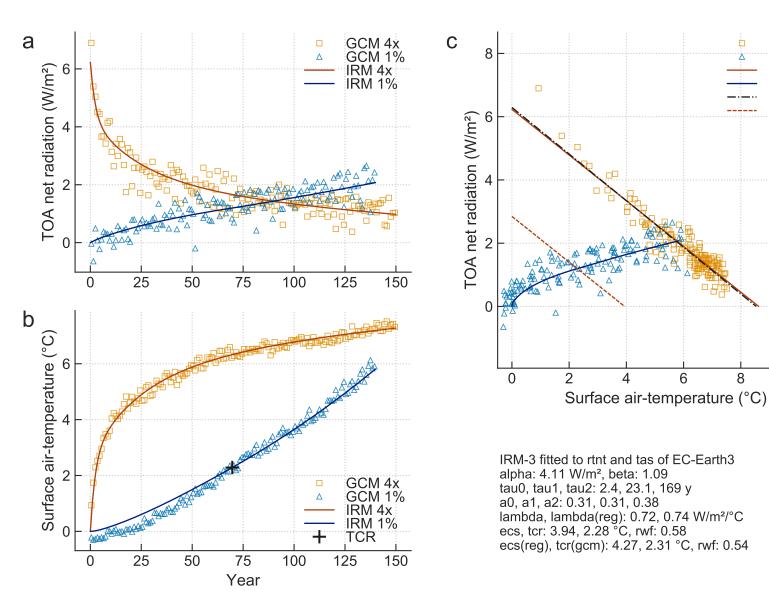
IRM-3 fitted to rtnt and tas of CNRM-ESM2-1 alpha: 3.78 W/m², beta: 1.17 tau0, tau1, tau2: 0.414, 8.63, 318 y a0, a1, a2: 0.11, 0.39, 0.50 lambda, lambda(reg): 0.65, 0.63 W/m²/°C ecs, tcr: 4.02, 2.02 °C, rwf: 0.50 ecs(reg), tcr(gcm): 4.76, 1.84 °C, rwf: 0.39

E3SM-1-0

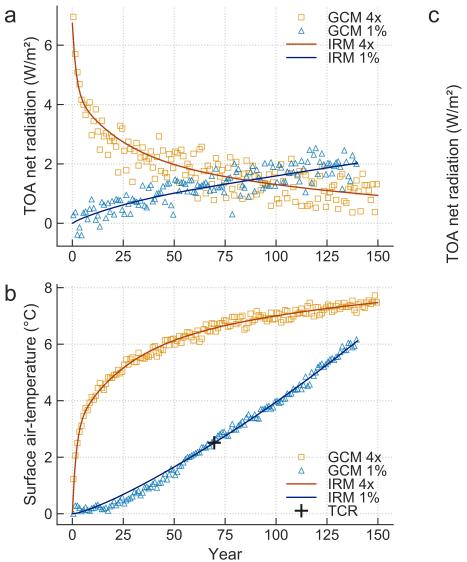


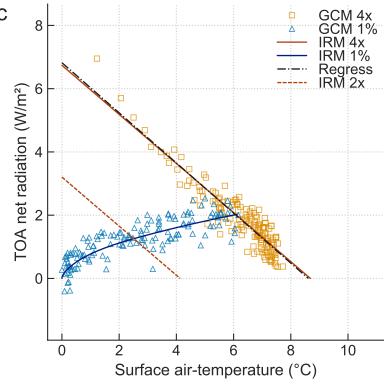
EC-Earth3

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



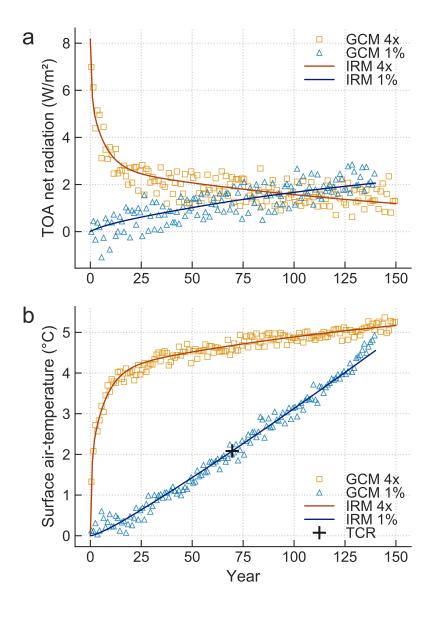
EC-Earth3-Veg

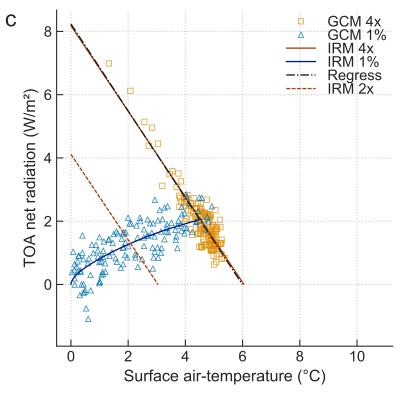




IRM-3 fitted to rtnt and tas of EC-Earth3-Veg alpha: 4.62 W/m², beta: 1.05 tau0, tau1, tau2: 1.85, 23, 161 y a0, a1, a2: 0.34, 0.31, 0.35 lambda, lambda(reg): 0.78, 0.79 W/m²/°C ecs, tcr: 4.13, 2.51 °C, rwf: 0.61 ecs(reg), tcr(gcm): 4.31, 2.61 °C, rwf: 0.61

FGOALS-f3-L

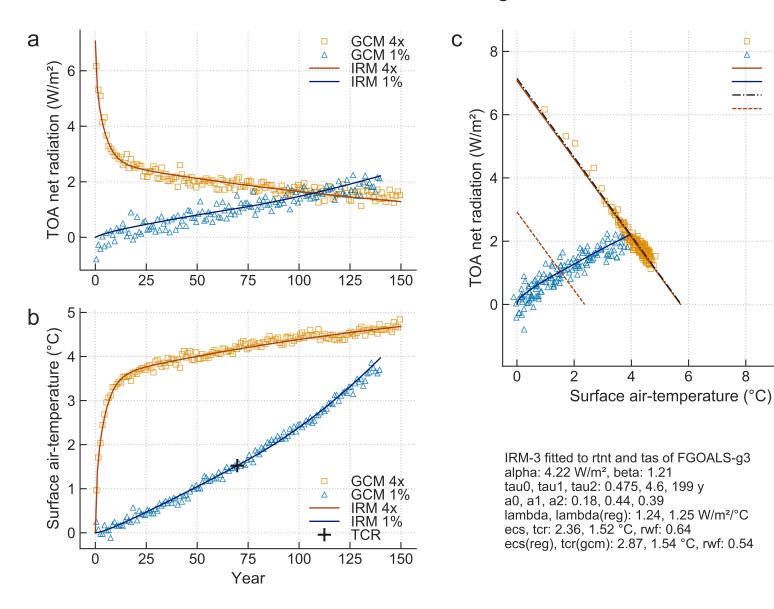




IRM-3 fitted to rtnt and tas of FGOALS-f3-L alpha: 5.94 W/m², beta: 0.99 tau0, tau1, tau2: 0.571, 7.01, 181 y a0, a1, a2: 0.30, 0.36, 0.33 lambda, lambda(reg): 1.35, 1.37 W/m²/°C ecs, tcr: 3.04, 2.08 °C, rwf: 0.68 ecs(reg), tcr(gcm): 3.00, 2.06 °C, rwf: 0.69

FGOALS-g3

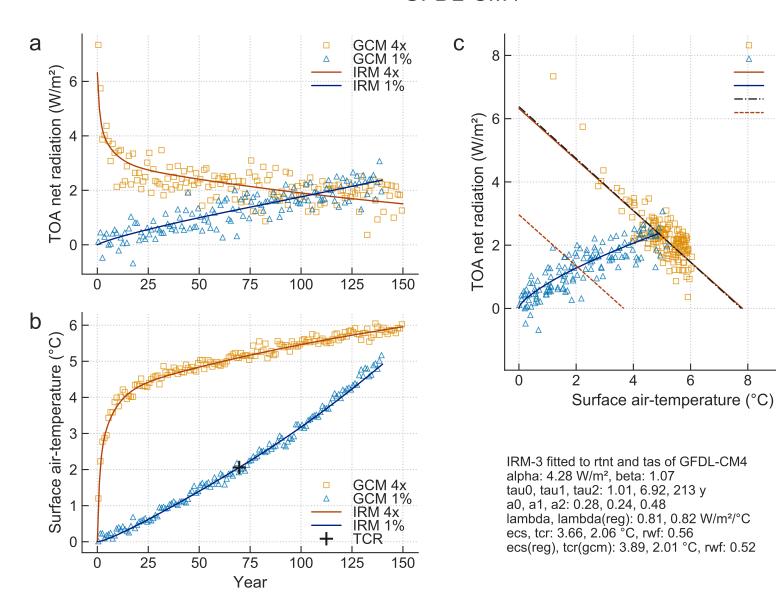
GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



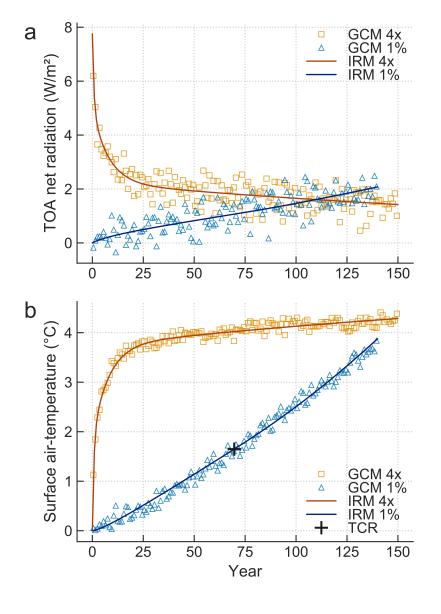
GFDL-CM4

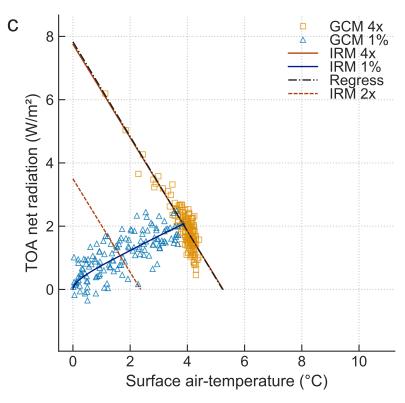
GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x

10



GFDL-ESM4

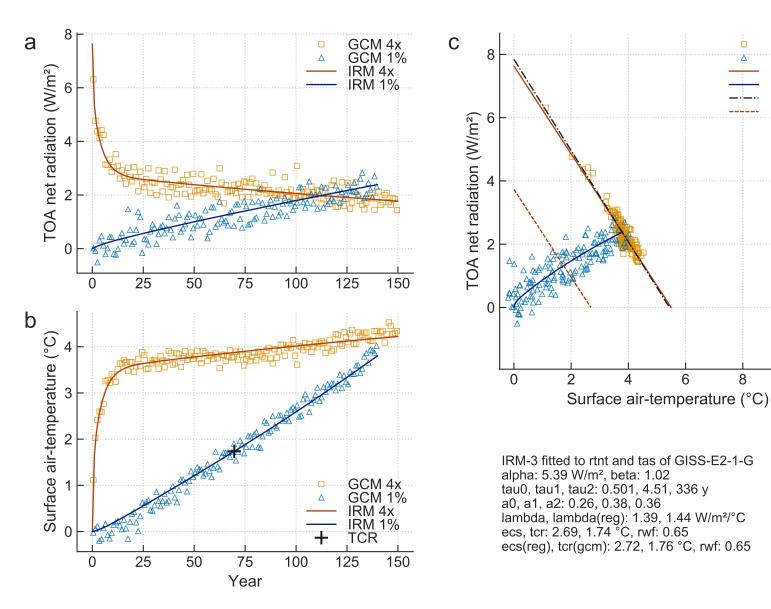




IRM-3 fitted to rtnt and tas of GFDL-ESM4 alpha: 5.05 W/m², beta: 1.11 tau0, tau1, tau2: 0.751, 7.84, 332 y a0, a1, a2: 0.35, 0.36, 0.29 lambda, lambda(reg): 1.48, 1.50 W/m²/°C ecs, tcr: 2.37, 1.65 °C, rwf: 0.70 ecs(reg), tcr(gcm): 2.62, 1.61 °C, rwf: 0.61

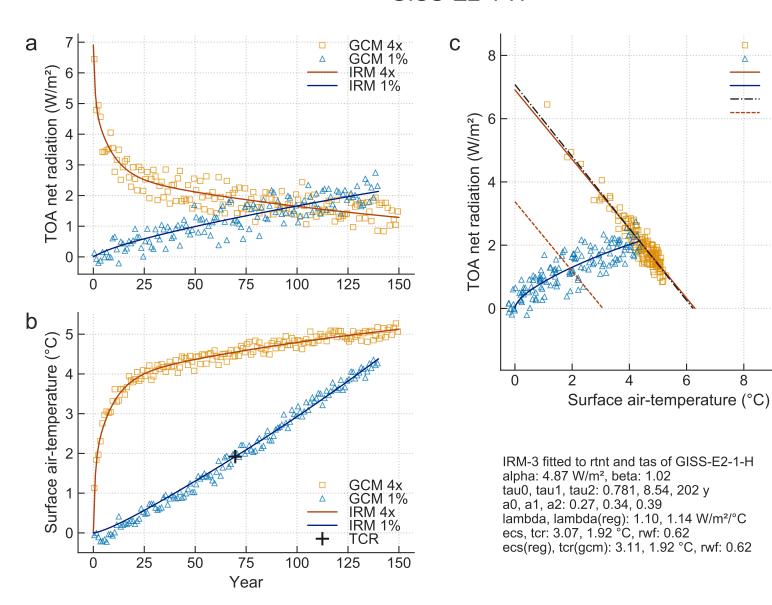
GISS-E2-1-G

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



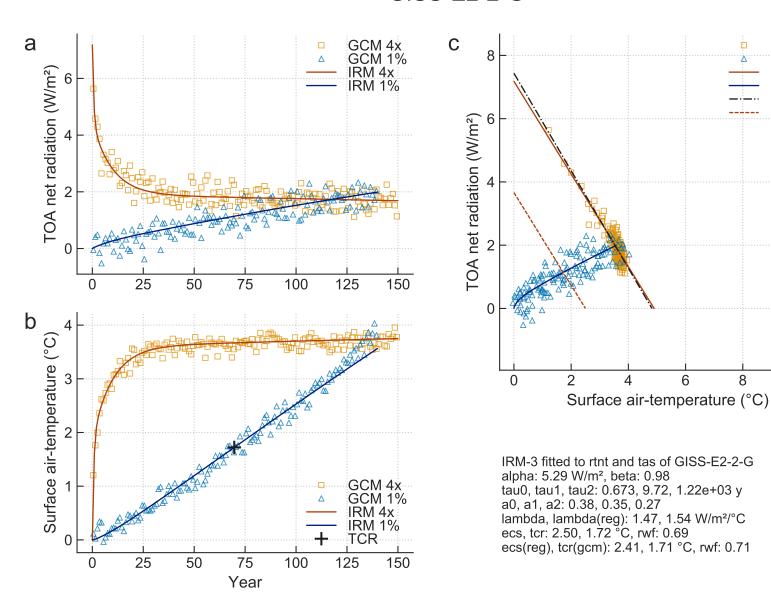
GISS-E2-1-H

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x

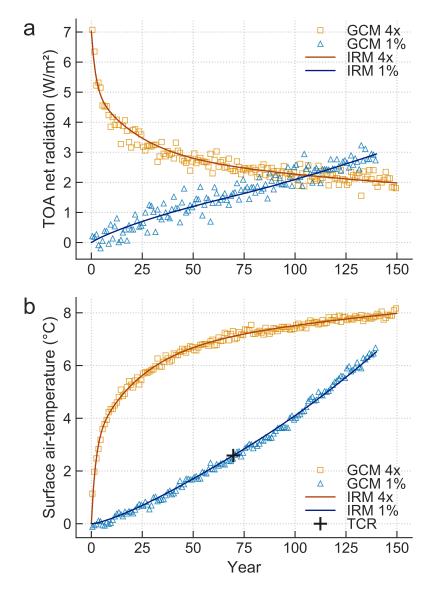


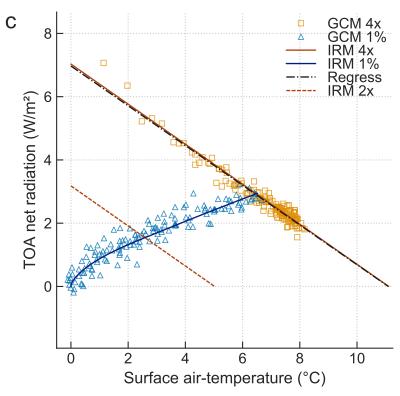
GISS-E2-2-G

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



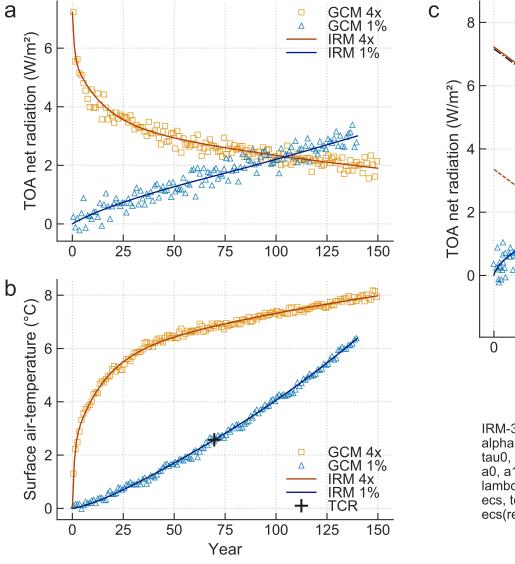
HadGEM3-GC31-LL

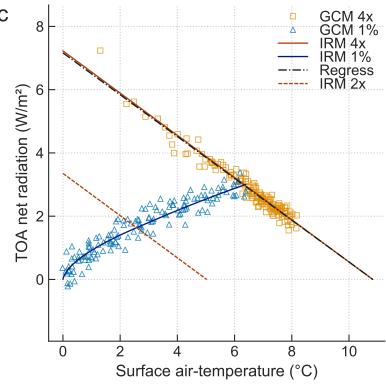




IRM-3 fitted to rtnt and tas of HadGEM3-GC31-LL alpha: 4.59 W/m², beta: 1.11 tau0, tau1, tau2: 2.06, 23.2, 397 y a0, a1, a2: 0.27, 0.32, 0.41 lambda, lambda(reg): 0.63, 0.63 W/m²/°C ecs, tcr: 5.02, 2.59 °C, rwf: 0.52 ecs(reg), tcr(gcm): 5.55, 2.55 °C, rwf: 0.46

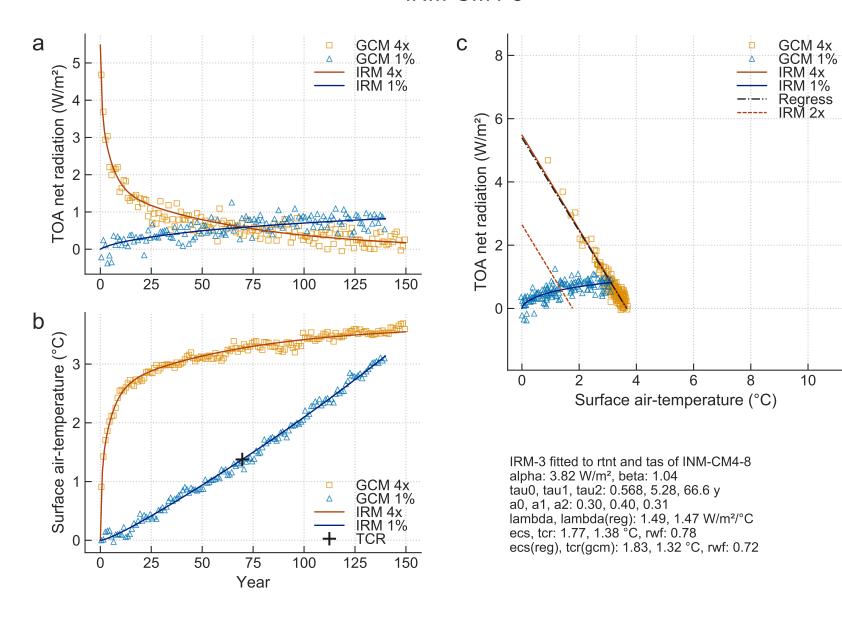
HadGEM3-GC31-MM





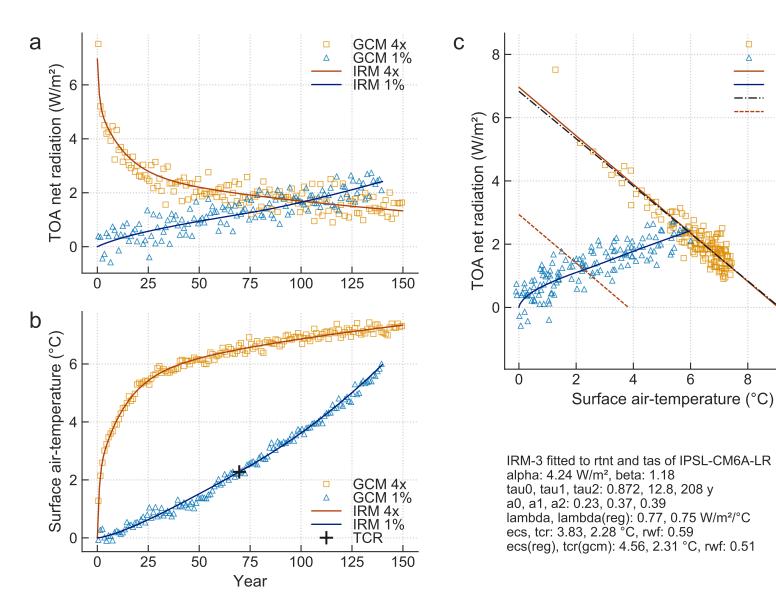
IRM-3 fitted to rtnt and tas of HadGEM3-GC31-MM alpha: 4.84 W/m², beta: 1.08 tau0, tau1, tau2: 0.914, 14.2, 242 y a0, a1, a2: 0.21, 0.30, 0.49 lambda, lambda(reg): 0.67, 0.66 W/m²/°C ecs, tcr: 5.02, 2.57 °C, rwf: 0.51 ecs(reg), tcr(gcm): 5.42, 2.58 °C, rwf: 0.48

INM-CM4-8

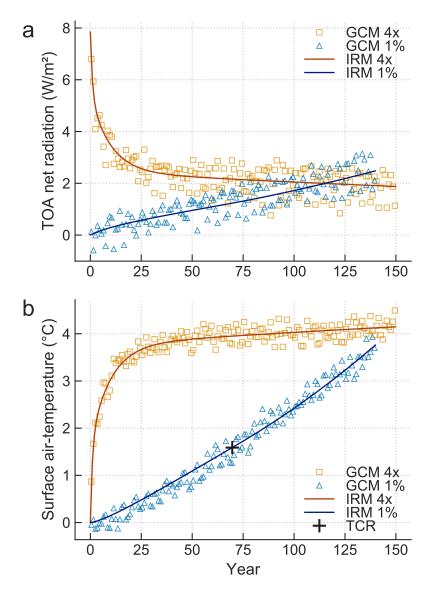


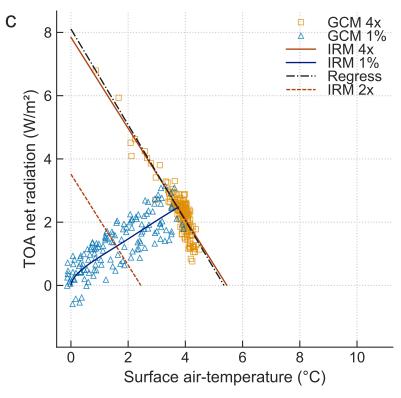
IPSL-CM6A-LR

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



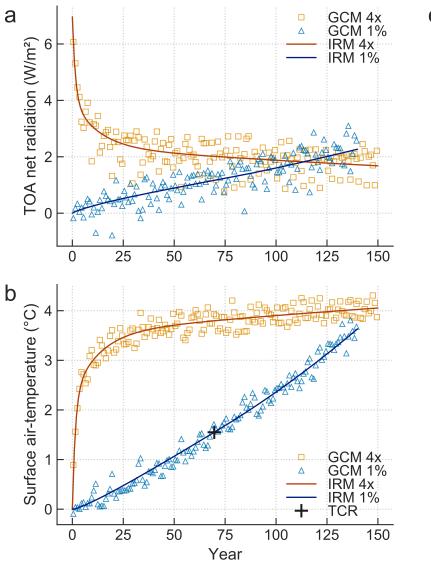
MIROC-ES2L

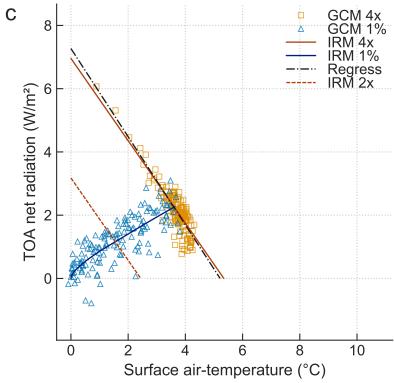




IRM-3 fitted to rtnt and tas of MIROC-ES2L alpha: 5.08 W/m², beta: 1.12 tau0, tau1, tau2: 0.97, 9.82, 574 y a0, a1, a2: 0.31, 0.38, 0.31 lambda, lambda(reg): 1.44, 1.52 W/m²/°C ecs, tcr: 2.44, 1.59 °C, rwf: 0.65 ecs(reg), tcr(gcm): 2.68, 1.55 °C, rwf: 0.58

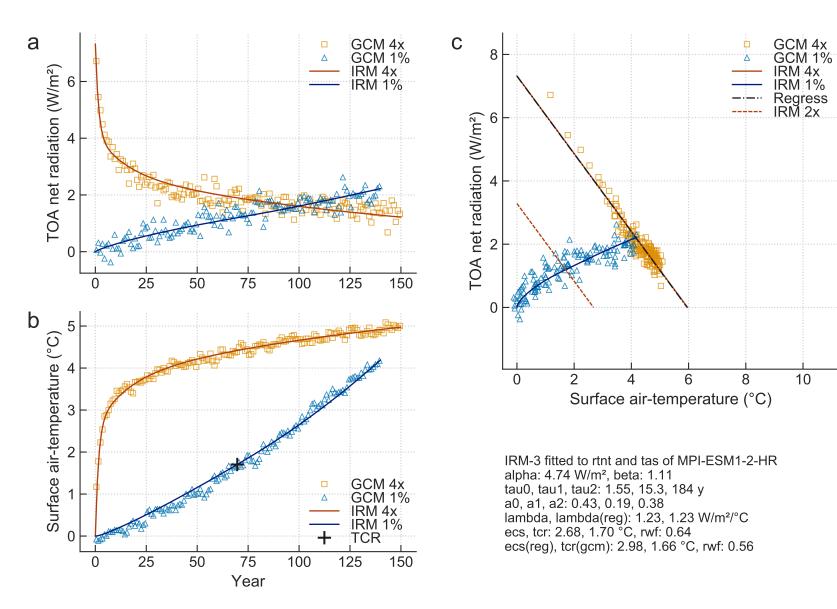
MIROC6



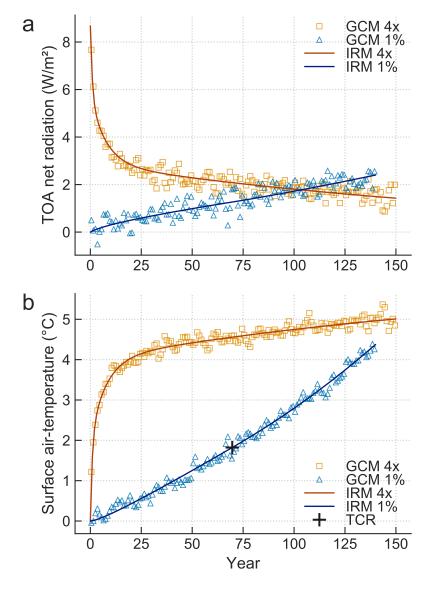


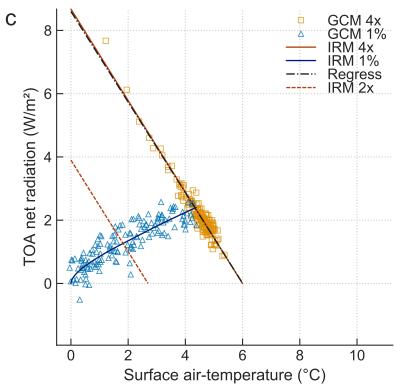
IRM-3 fitted to rtnt and tas of MIROC6 alpha: 4.58 W/m², beta: 1.09 tau0, tau1, tau2: 1.47, 12.7, 450 y a0, a1, a2: 0.42, 0.24, 0.34 lambda, lambda(reg): 1.30, 1.39 W/m²/°C ecs, tcr: 2.44, 1.55 °C, rwf: 0.64 ecs(reg), tcr(gcm): 2.61, 1.55 °C, rwf: 0.60

MPI-ESM1-2-HR



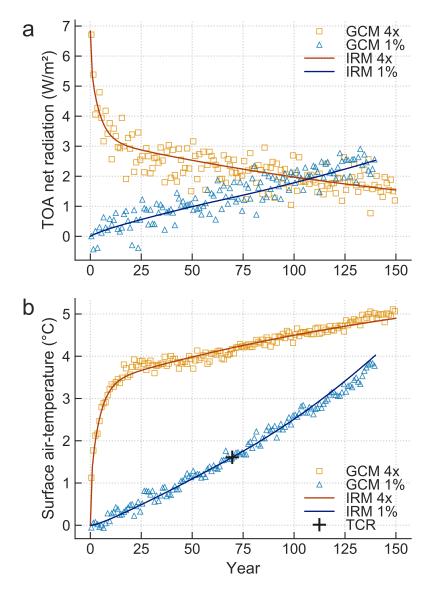
MPI-ESM1-2-LR

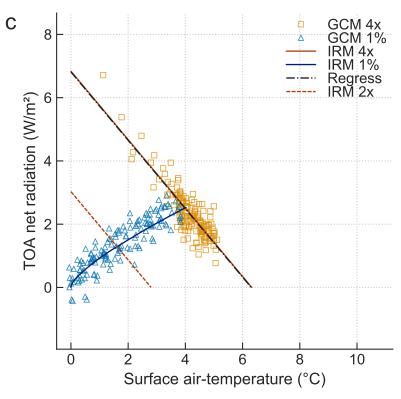




IRM-3 fitted to rtnt and tas of MPI-ESM1-2-LR alpha: 5.63 W/m², beta: 1.11 tau0, tau1, tau2: 0.939, 7.61, 213 y a0, a1, a2: 0.34, 0.33, 0.33 lambda, lambda(reg): 1.45, 1.43 W/m²/°C ecs, tcr: 2.69, 1.82 °C, rwf: 0.68 ecs(reg), tcr(gcm): 3.00, 1.84 °C, rwf: 0.61

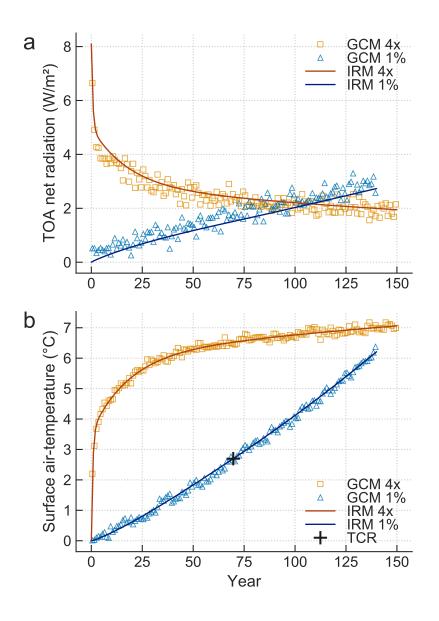
MRI-ESM2-0

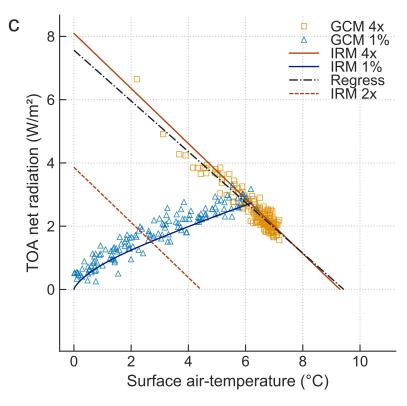




IRM-3 fitted to rtnt and tas of MRI-ESM2-0 alpha: 4.37 W/m², beta: 1.13 tau0, tau1, tau2: 0.384, 4.5, 202 y a0, a1, a2: 0.15, 0.37, 0.47 lambda, lambda(reg): 1.08, 1.08 W/m²/°C ecs, tcr: 2.80, 1.61 °C, rwf: 0.57 ecs(reg), tcr(gcm): 3.15, 1.64 °C, rwf: 0.52

NESM3

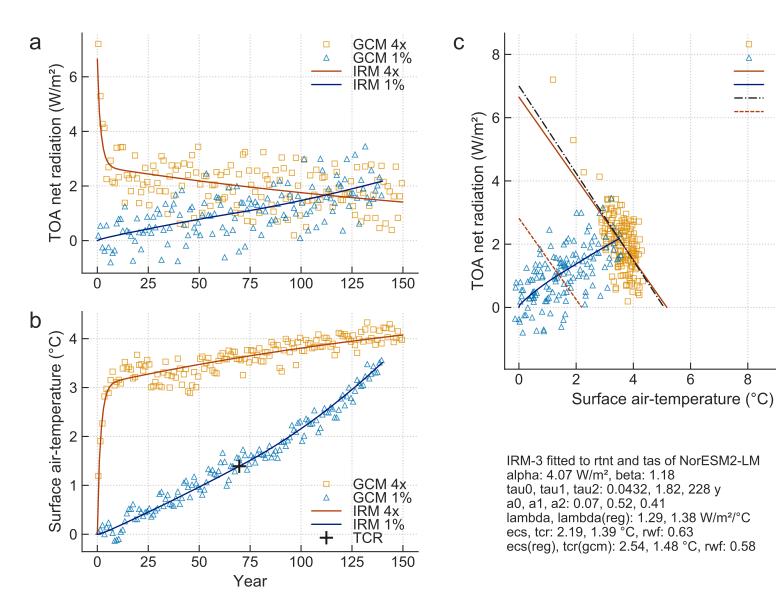




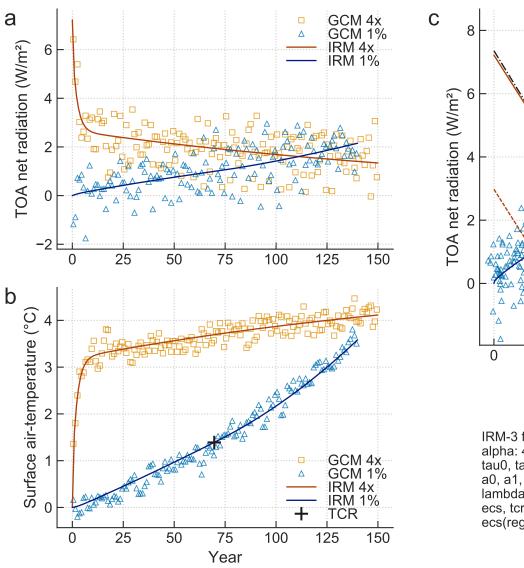
IRM-3 fitted to rtnt and tas of NESM3 alpha: 5.57 W/m², beta: 1.05 tau0, tau1, tau2: 0.689, 18.4, 411 y a0, a1, a2: 0.38, 0.27, 0.35 lambda, lambda(reg): 0.87, 0.80 W/m²/°C ecs, tcr: 4.43, 2.70 °C, rwf: 0.61 ecs(reg), tcr(gcm): 4.72, 2.71 °C, rwf: 0.57

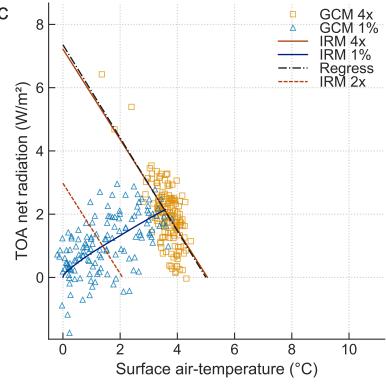
NorESM2-LM

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



NorESM2-MM

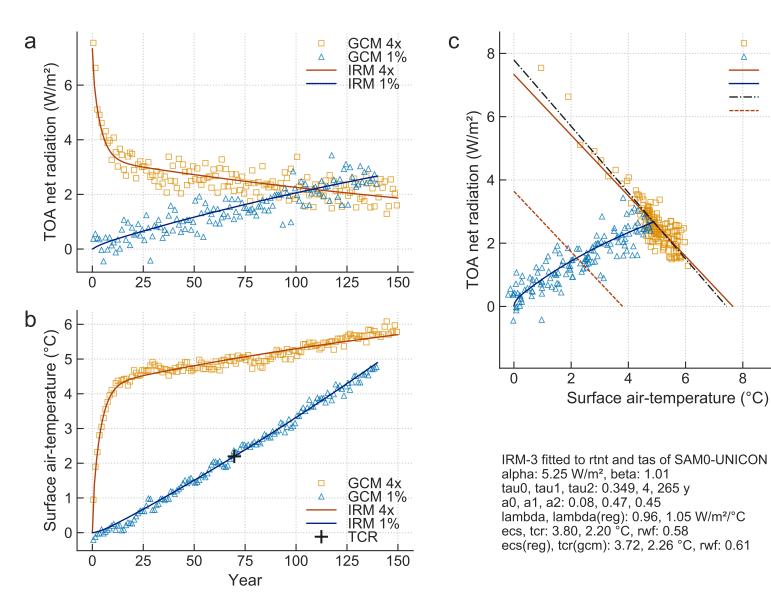




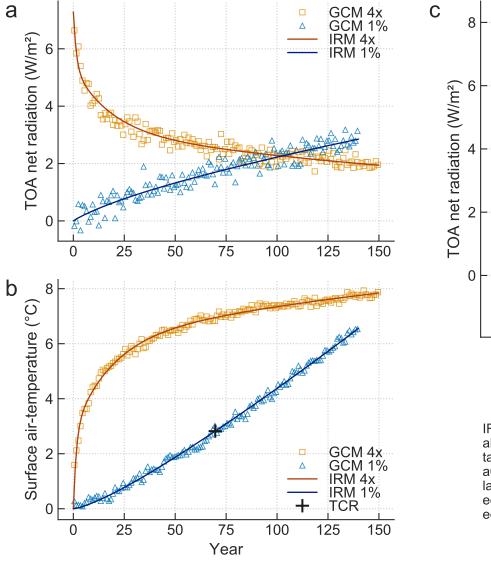
IRM-3 fitted to rtnt and tas of NorESM2-MM alpha: 4.30 W/m², beta: 1.21 tau0, tau1, tau2: 0.0669, 2.32, 217 y a0, a1, a2: 0.15, 0.48, 0.37 lambda, lambda(reg): 1.43, 1.47 W/m²/°C ecs, tcr: 2.08, 1.39 °C, rwf: 0.67 ecs(reg), tcr(gcm): 2.50, 1.34 °C, rwf: 0.53

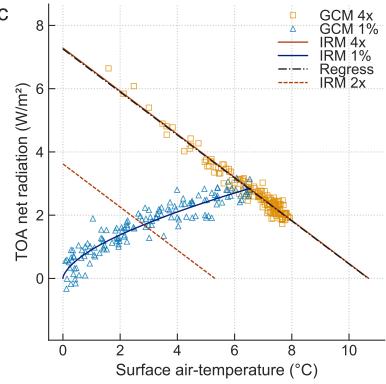
SAM0-UNICON

GCM 4x GCM 1% IRM 4x IRM 1% Regress IRM 2x



UKESM1-0-LL





IRM-3 fitted to rtnt and tas of UKESM1-0-LL alpha: 5.22 W/m², beta: 1.01 tau0, tau1, tau2: 1.46, 18.5, 318 y a0, a1, a2: 0.26, 0.31, 0.43 lambda, lambda(reg): 0.68, 0.68 W/m²/°C ecs, tcr: 5.31, 2.82 °C, rwf: 0.53 ecs(reg), tcr(gcm): 5.34, 2.79 °C, rwf: 0.52