

Supplement of “A new index used to characterise the extent of Antarctic marine coastal winds in climate projections”

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1 List of CMIP6 models used

Table S1: List of CMIP6 models used

Model	Institution	Ensemble member used	Native horizontal grid spacing (°)
ACCESS-CM2	CSIRO-ARCCSS	r1i1p1f1	1.875
AWI-CM-1-1-MR	AWI	r1i1p1f1	0.9375
BCC-CSM2-MR	BCC	r1i1p1f1	1.125
CAMS-CSM1-0	CAMS	r1i1p1f1	1.125
CAS-ESM2-0	CAS	r1i1p1f1	1.4173
CMCC-CM2-SR5	CMCC	r1i1p1f1	1.25
CMCC-ESM2	CMCC	r1i1p1f1	1.25
CNRM-CM6-1	CNRM-CERFACS	r1i1p1f2	1.4062
CNRM-CM6-1-HR	CNRM-CERFACS	r1i1p1f2	0.5
CNRM-ESM2-1	CNRM-CERFACS	r4i1p1f2	1.4062
CanESM5	CCCma	r17i1p1f1	2.8125
CanESM5-CanOE	CCCma	r1i1p2f1	2.8125
EC-Earth3	EC-Earth-Consortium	r1i1p1f1	0.7031
EC-Earth3-Veg	EC-Earth-Consortium	r1i1p1f1	0.7031
EC-Earth3-Veg-LR	EC-Earth-Consortium	r3i1p1f1	1.125
FGOALS-f3-L	CAS	r1i1p1f1	1.25
GFDL-ESM4	NOAA-GFDL	r1i1p1f1	1.25
GISS-E2-1-G	NASA-GISS	r2i1p3f1	2.5
INM-CM4-8	INM	r1i1p1f1	2
INM-CM5-0	INM	r1i1p1f1	2
IPSL-CM6A-LR	IPSL	r1i1p1f1	2.5
MIROC-ES2L	MIROC	r1i1p1f2	2.8125
MIROC6	MIROC	r1i1p1f1	1.4062
MPI-ESM1-2-HR	DWD	r2i1p1f1	0.9375
MPI-ESM1-2-LR	MPI-M	r7i1p1f1	1.875
MRI-ESM2-0	MRI	r1i1p1f1	1.125
UKESM1-0-LL	MOHC	r4i1p1f2	1.875

2 Seasonal plots of directional constancy

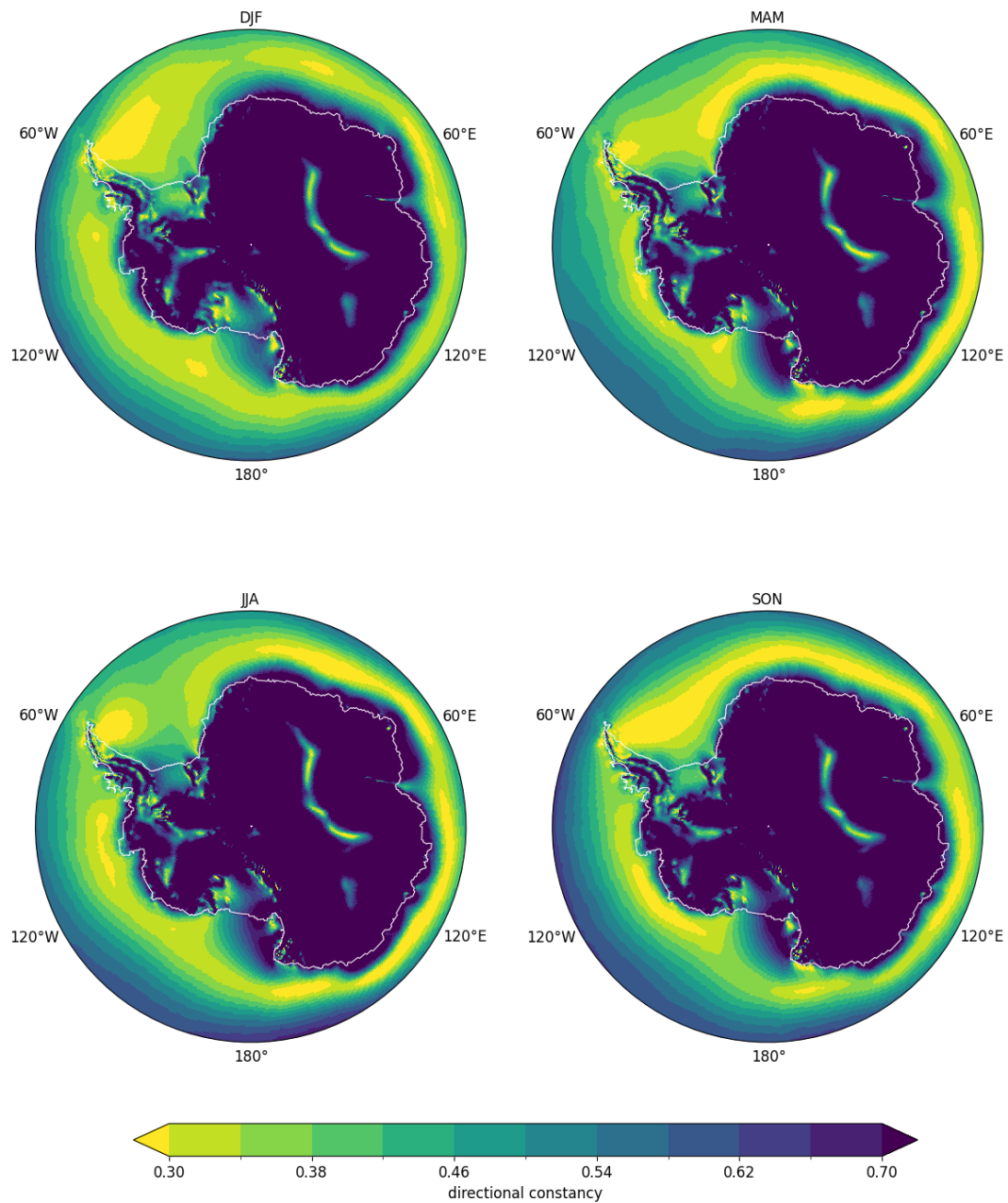


Figure S1. Seasonal plots of directional wind constancy, calculated by taking a seasonal-average over monthly ERA5 wind data from 1980–2023.