Matrix of Total Deviances

N. Atlantic; PI CMIP5; 300mon; AR(2); 4 Laplacians

2nd segment \ 1st segment	ERSST 1994–2018	GFDL–CM3	GFDL–ESM2G	GFDL–ESM2M	HadGEM2–CC	HadGEM2–ES	HadGEM2–AO	MRI	IPSL–A–LR	IPSL–MR	IPSL–B–LR	MPI–LR	MPI–P	MPI–MR	CMCC–CESM	CMCC–CM	CMCC–CMS	WACCM	CCSM4	FASTCHEM	CESM1–BGC	CESM1–CAM5	CanESM2	INMCM4	NorESM1–M	NorESM1–ME	CNRM–CM5	CNRM–CM5–2	ACCESS1–0	ACCESS1–3	CSIRO	MIROC–ESM	MIROC–CHEM	GISS–H	GISS–H–CC	GISS–R	GISS–R–CC
ERSST 1969–1993	0.9	3.8	4.0	4.4	3.3	3.0	2.7	4.8	5.9	5.7	6.1	3.8	4.1	3.2	4.0	3.7	2.8	4.3	3.7	4.6	4.5	4.7	5.6	6.8	6.9	7.9	4.6	4.4	7.3	7.9	5.2	6.3	5.9	5.8	6.1	5.6	5.6
GFDL–CM3	3.5	0.5	2.8	3.0	4.4	4.2	3.5	4.8	5.9	5.6	5.7	4.5	4.9	4.1	5.7	4.6	4.1	5.8	5.4	6.2	6.2	6.7	6.9	8.4	8.4	9.4	4.2	4.1	8.1	8.7	6.1	7.7	7.6	7.5	7.5	6.5	6.4
GFDL–ESM2G	4.2	3.4	0.9	2.0	5.0	4.5	4.1	5.3	6.3	6.2	5.5	5.5	6.0	5.0	6.4	6.4	5.6	6.2	6.1	7.1	6.7	7.5	7.7	8.4	9.6	10.6	4.3	4.1	9.2	9.4	7.3	8.1	7.8	8.4	8.5	8.0	8.0
GFDL–ESM2M	4.9	3.3	1.9	0.6	5.0	4.6	4.3	5.0	6.1	6.0	6.1	5.2	5.6	5.1	5.6	6.2	5.3	6.2	5.5	6.3	6.0	7.0	7.4	7.7	8.9	9.9	4.9	4.9	8.2	8.3	6.6	7.5	7.5	7.7	7.8	7.4	7.3
HadGEM2–CC	3.3	4.6	4.6	4.8	0.9	1.3	0.9	3.6	5.7	5.5	5.1	5.6	5.8	4.9	4.8	4.8	4.2	4.2	3.7	4.4	3.9	4.7	5.1	6.9	6.9	8.0	4.6	5.1	5.8	6.4	6.2	6.2	6.2	6.2	6.4	5.3	5.3
HadGEM2–ES	2.7	3.9	3.7	3.8	0.8	0.6	0.6	3.2	4.9	4.8	4.1	4.7	5.1	4.3	4.2	4.6	3.7	4.3	3.6	4.5	3.9	4.7	5.0	6.4	6.9	8.3	4.0	4.3	6.0	6.7	5.6	5.9	5.9	6.2	6.3	5.2	5.4
HadGEM2–AO	3.1	4.2	4.0	4.1	1.0	0.9	0.6	3.7	5.7	5.6	4.7	4.8	4.9	4.3	4.1	4.7	3.9	4.7	3.9	4.8	4.3	5.0	5.0	7.0	7.4	8.8	4.3	4.5	6.2	7.0	6.2	6.2	6.0	6.7	6.8	5.8	6.0
MRI	5.1	5.3	6.0	5.6	4.1	4.6	3.9	0.7	5.1	5.7	4.5	5.7	6.0	5.4	6.0	5.4	5.3	5.9	5.0	5.4	5.6	5.9	5.6	6.9	7.3	8.2	5.8	6.5	6.0	6.6	6.6	6.1	6.2	5.8	5.9	4.6	4.6
IPSL–A–LR	5.1	6.3	6.2	6.2	5.8	5.3	5.3	4.6	0.7	1.8	4.0	7.5	7.7	6.9	7.7	7.3	7.1	7.5	6.5	7.1	7.1	8.1	7.2	8.5	9.7	10.4	5.1	5.9	9.5	9.8	8.3	8.0	7.7	8.2	8.3	6.8	7.0
IPSL–MR	5.3	6.6	6.6	6.7	6.0	5.1	5.1	5.4	1.3	0.9	4.1	7.7	8.0	7.5	8.5	7.8	7.6	7.9	6.8	7.7	7.7	8.6	7.4	8.9	9.4	10.1	5.8	6.4	9.8	10.0	8.8	8.6	8.3	8.8	9.1	7.6	7.6
IPSL–B–LR	5.9	6.5	5.9	6.3	5.3	4.8	4.5	3.8	3.8	4.8	0.8	7.7	8.1	7.3	7.9	8.2	7.6	7.7	7.0	8.1	8.2	8.4	7.6	9.4	9.5	10.7	4.4	5.0	9.0	9.4	9.3	8.5	8.4	8.9	8.8	7.2	7.3
MPI–LR	4.9	5.0	5.5	5.2	5.8	5.8	5.2	5.5	8.0	7.5	8.6	0.9	0.7	1.2	3.8	3.0	2.9	5.3	4.3	4.8	4.6	5.6	6.0	5.4	5.7	6.7	7.1	7.1	7.6	8.1	4.9	4.3	4.4	6.9	7.0	6.8	6.7
MPI–P	4.0	4.5	5.4	5.2	5.3	5.2	4.7	5.3	7.3	7.0	8.0	0.6	0.6	1.0	3.9	2.7	2.5	4.9	3.9	4.6	4.4	5.2	6.0	5.5	5.7	6.5	6.2	6.1	7.7	8.3	4.7	5.0	5.0	6.4	6.5	6.3	6.4
MPI–MR	3.5	4.3	4.7	4.8	4.6	4.5	3.9	4.6	6.8	6.6	7.1	1.3	1.1	0.5	3.8	2.6	2.5	4.6	3.6	4.4	3.7	5.0	5.8	5.4	5.8	6.8	5.8	6.1	7.6	7.9	5.0	4.7	4.6	6.3	6.5	5.7	6.0
CMCC–CESM	4.8	6.5	6.4	6.1	4.8	5.1	4.5	6.4	8.4	8.4	8.6	4.7	4.6	4.2	1.0	4.1	3.0	5.0	3.9	4.3	4.2	4.1	5.6	5.9	6.7	7.5	7.3	7.2	5.5	6.3	6.4	5.8	6.0	6.0	6.0	5.8	6.2
CMCC–CM	4.0	4.9	6.2	6.1	4.5	5.1	4.1	5.1	7.9	7.7	7.8	2.9	2.7	2.6	3.4	0.7	1.9	4.4	3.5	3.7	3.7	3.9	5.0	5.6	5.5	6.7	7.4	7.0	5.3	6.2	5.3	5.0	5.0	5.1	5.0	4.4	4.4
CMCC–CMS	3.2	4.3	4.9	4.6	4.0	4.3	3.6	4.9	7.0	6.7	7.5	2.5	2.5	2.1	2.6	2.1	0.7	4.9	3.7	4.2	3.8	4.5	5.3	5.4	5.9	6.7	6.2	6.0	5.5	6.1	4.9	4.9	5.0	5.0	5.2	5.0	5.0
WACCM	4.6	6.0	6.1	5.9	4.3	5.0	4.1	5.4	7.2	7.1	7.9	5.2	5.0	4.5	4.0	4.3	4.4	0.6	1.6	1.9	2.6	2.2	4.8	6.8	5.9	6.4	7.7	7.8	5.3	5.8	5.3	5.7	6.1	6.0	6.0	5.4	5.4
CCSM4	4.8	6.4	6.7	6.4	4.5	4.9	4.4	5.3	7.1	6.9	8.0	4.7	4.6	4.3	4.1	4.2	4.5	2.5	1.0	0.9	1.2	2.6	3.6	5.4	5.4	6.2	8.3	8.8	5.2	5.3	5.0	3.7	4.1	5.2	5.2	4.3	4.1
FASTCHEM	4.7	6.0	6.3	6.1	4.2	4.6	4.1	5.3	7.5	7.3	8.2	4.8	4.7	4.2	4.1	3.6	4.1	2.1	0.9	0.9	1.1	2.4	4.1	5.4	5.3	6.2	8.0	8.5	5.3	5.5	5.0	4.4	4.7	5.2	5.4	4.7	4.5
CESM1–BGC	4.5	6.0	6.1	5.6	4.2	4.7	4.0	5.2	7.2	6.9	8.2	4.2	4.2	3.8	3.8	3.4	3.7	2.6	1.3	1.3	0.7	2.5	4.4	5.1	5.2	5.9	8.1	8.5	5.0	5.2	4.7	4.1	4.3	5.0	5.2	4.7	4.6
CESM1–CAM5	5.0	6.7	6.9	6.5	4.3	4.9	4.2	5.3	7.7	7.6	8.1	4.9	5.0	4.5	3.2	3.9	4.0	2.7	2.2	2.4	2.3	0.5	4.2	5.6	5.7	6.5	8.3	8.3	4.6	5.1	5.2	4.9	5.4	4.5	4.8	4.9	4.9
CanESM2	5.6	7.4	7.3	7.8	4.6	4.8	4.6	5.2	7.3	7.4	7.7	6.3	6.3	6.0	5.6	5.6	5.4	5.1	3.6	3.8	4.5	4.2	0.5	5.3	6.4	7.2	8.8	9.3	5.3	5.5	6.0	4.9	4.5	5.4	5.7	5.3	5.3
INMCM4	6.3	8.4	7.6	7.3	6.8	6.8	6.6	6.6	8.4	8.5	8.9	5.4	5.7	5.4	5.5	5.9	6.0	6.7	5.4	5.7	5.6	6.1	5.7	1.0	5.0	6.1	9.6	9.8	6.3	6.7	5.9	5.4	5.7	5.8	6.3	6.5	6.7
NorESM1–M	7.4	9.1	9.2	9.3	7.6	7.8	7.3	7.5	10.0	9.4	10.0	6.0	6.0	5.5	6.8	5.9	6.1	6.1	5.5	5.7	5.8	6.3	7.1	5.1	0.8	1.8	10.4	11.1	6.8	7.2	6.2	6.0	6.2	6.7	6.9	7.3	7.5
NorESM1–ME	6.8	8.9	9.1	9.0	7.2	7.7	7.1	7.0	8.8	8.4	9.6	5.6	5.6	5.3	6.3	5.5	5.7	5.8	5.0	5.2	5.2	5.6	6.4	4.6	1.4	0.8	10.2	10.7	5.9	6.2	5.8	5.4	5.7	6.0	6.3	6.6	6.6
CNRM–CM5	4.4	4.2	4.5	4.9	5.3	4.4	4.4	5.5	5.3	5.5	4.4	6.4	6.9	6.2	6.9	7.4	6.2	7.8	7.7	8.7	8.7	9.0	9.4	10.6	11.1	12.5	0.9	0.8	11.3	11.8	9.1	9.9	9.7	9.9	9.9	8.5	8.6
CNRM–CM5–2	4.2	3.8	3.9	4.2	4.6	3.8	4.0	5.4	5.7	5.4	4.8	5.8	6.4	5.6	6.4	6.8	5.6	7.1	7.0	7.9	7.8	8.2	8.5	9.7	10.2	11.4	1.0	0.7	10.0	10.6	8.3	9.0	8.9	9.0	9.0	7.7	7.8
ACCESS1–0	6.8	7.9	8.3	7.8	5.1	6.0	5.3	5.8	8.8	8.5	8.2	7.1	7.5	6.9	5.1	5.6	5.2	5.6	5.1	5.0	5.5	3.9	4.8	6.1	6.4	7.3	9.6	10.0	0.6	1.7	6.0	6.7	7.1	4.4	4.5	5.3	5.1
ACCESS1–3	7.7	8.9	9.2	8.4	6.3	7.0	6.5	6.7	9.2	9.1	9.5	7.7	8.0	7.5	5.9	6.7	6.2	6.0	5.4	5.2	5.4	4.5	5.2	5.9	6.5	7.3	10.8	11.2	1.4	0.7	6.1	6.7	7.2	4.6	5.0	6.0	5.7
CSIRO	5.6	6.1	6.5	6.3	5.5	5.7	5.3	6.0	8.3	8.1	8.8	4.1	4.8	4.3	5.0	5.0	4.5	5.3	4.4	4.6	4.7	5.3	5.4	5.6	5.7	6.6	8.6	8.6	5.9	5.8	0.9	5.2	5.6	4.7	5.0	6.2	6.1
MIROC–ESM	5.9	7.7	7.7	7.4	6.2	6.2	5.7	5.9	7.3	7.2	8.7	5.0	4.9	4.5	5.2	5.3	5.5	5.9	4.0	4.2	4.4	5.8	4.3	5.1	5.4	6.2	9.1	9.2	6.8	7.2	6.0	0.8	0.8	6.7	6.7	6.1	6.1
MIROC–CHEM	5.6	7.7	7.5	7.3	5.8	6.0	5.5	5.7	7.7	7.8	8.7	4.4	4.2	3.9	4.8	4.6	5.0	5.3	3.8	3.9	4.3	5.2	4.2	4.6	4.7	5.5	8.7	9.1	6.5	6.9	5.5	1.0	0.7	6.4	6.3	5.7	5.7
GISS–H	6.7	8.1	8.5	8.1	6.4	6.8	6.3	6.2	8.6	8.7	9.2	6.8	7.3	6.7	6.0	5.3	5.5	6.1	5.0	5.0	5.2	4.8	5.3	5.8	6.0	6.6	9.9	10.0	4.2	4.5	5.0	6.5	6.9	0.6	1.1	3.5	3.4
GISS–H–CC	6.6	8.2	8.7	8.4	6.1	6.6	6.0	5.8	8.5	9.0	8.9	7.0	7.4	6.7	5.8	5.4	5.5	6.1	5.0	5.1	5.4	5.0	5.3	6.5	6.4	7.2	9.5	9.7	4.4	5.1	5.9	6.4	6.6	1.3	0.6	2.9	3.0
GISS–R	5.1	6.4	7.1	6.7	4.5	4.8	4.4	4.0	6.2	6.6	6.5	5.7	5.8	5.3	4.9	4.0	4.5	4.7	3.7	3.9	4.3	4.5	4.7	6.3	6.6	7.5	7.3	7.7	5.3	5.7	6.4	5.4	5.4	3.6	3.1	0.8	0.9
GISS–R–CC	5.3	6.6	7.4	7.1	5.0	5.4	4.9	4.6	6.5	6.8	6.9	6.6	6.8	6.2	5.7	4.6	5.2	5.5	4.3	4.4	4.8	5.1	4.9	6.4	6.8	7.7	7.7	8.1	5.3	5.7	6.6	5.9	5.8	3.4	2.8	0.6	0.4