

# Supporting Information for “Exploring uncertainty of trends in the lower-tropospheric North Pacific Jet position.”

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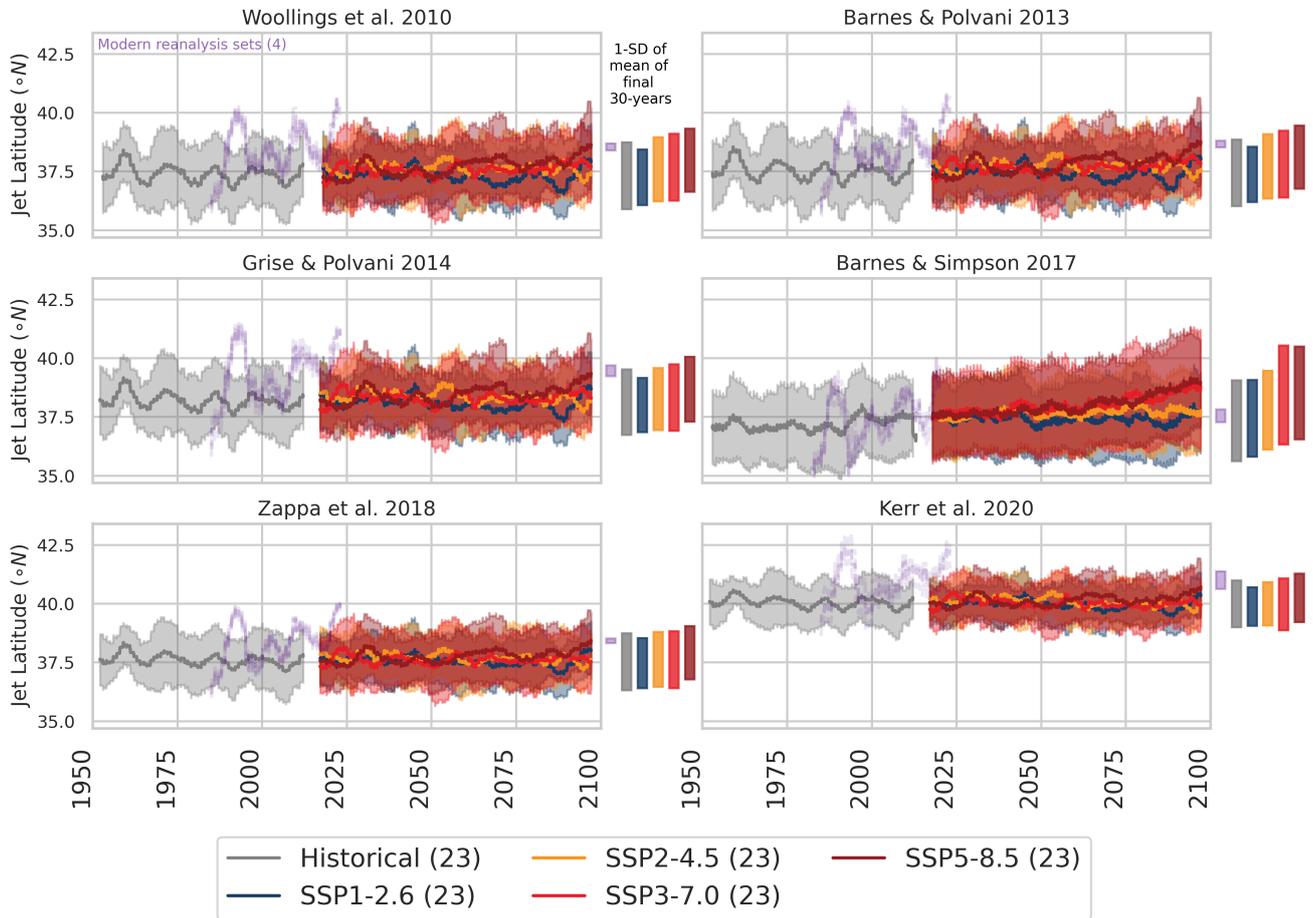
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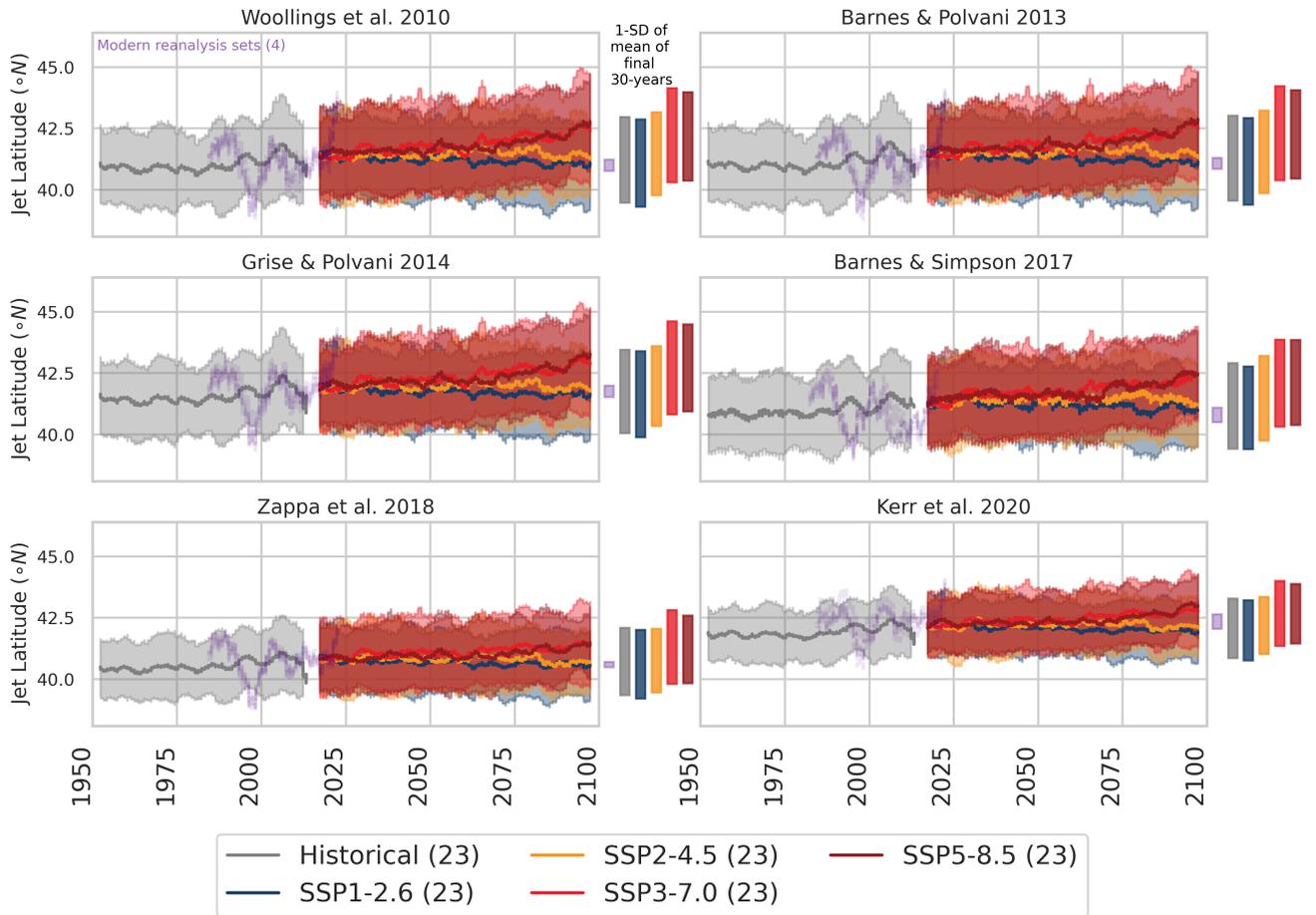
1. Figures S1 to S5
2. Table S1

## Figures S1 to S5

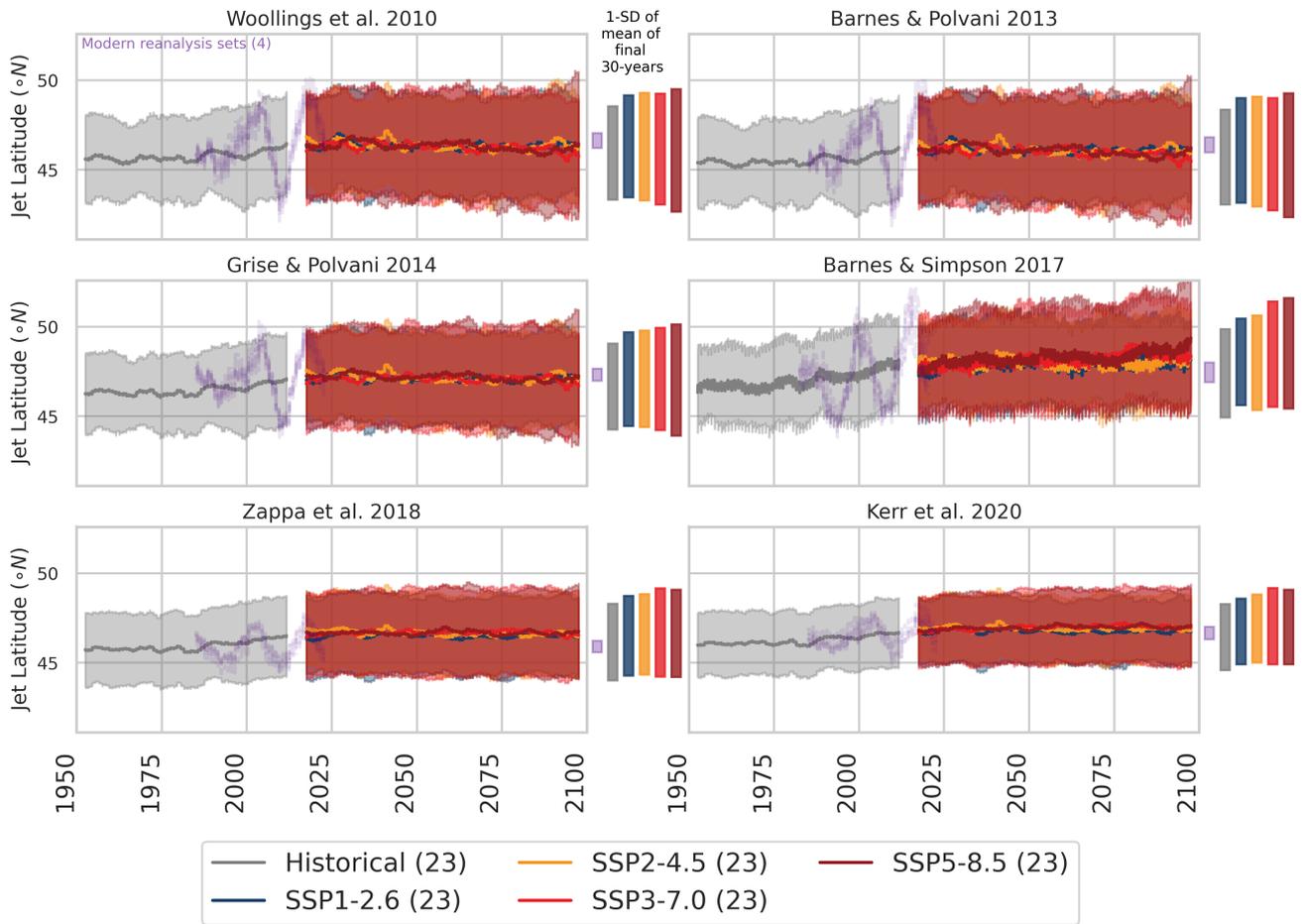
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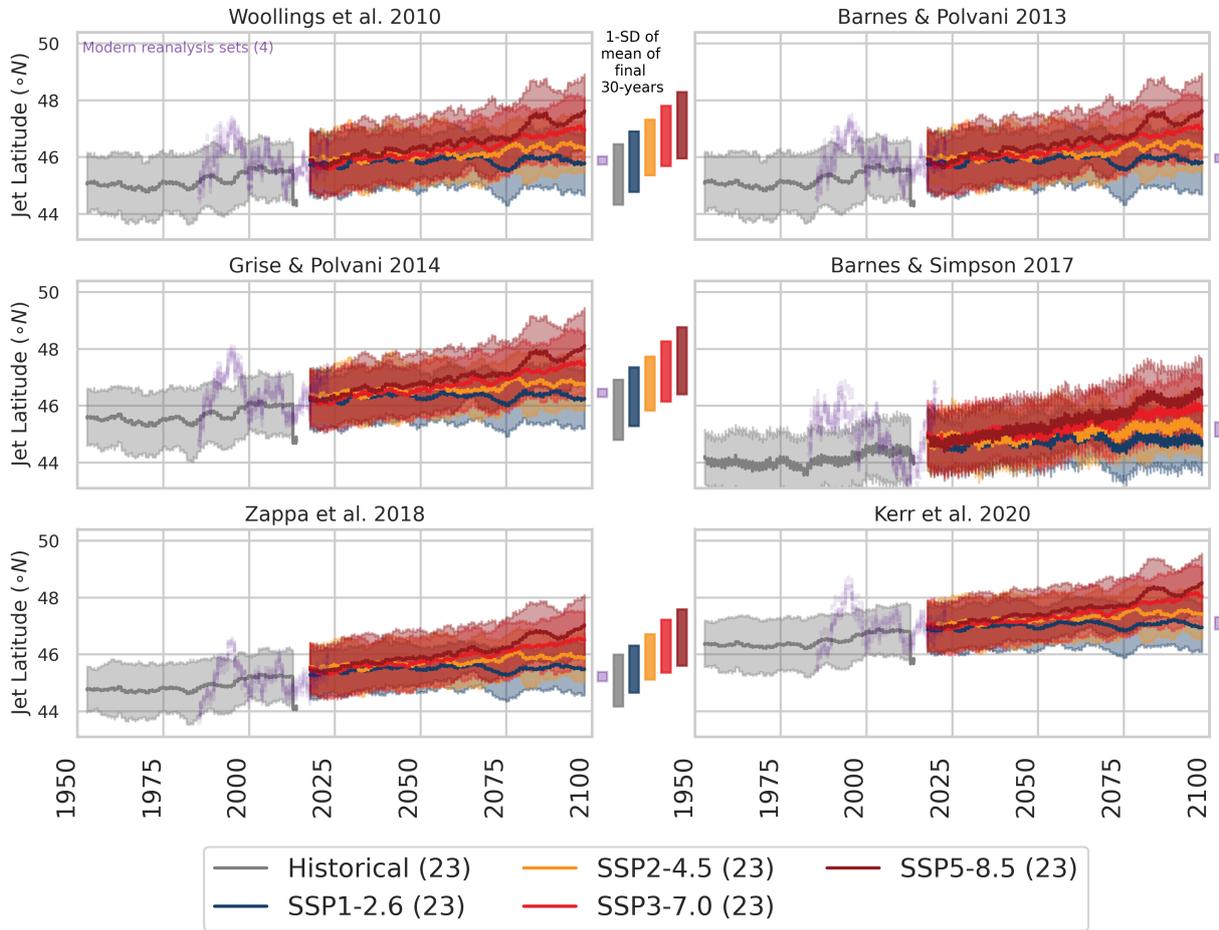
**Figure S1.** As for Fig. 3, but for Winter (DJF).



**Figure S2.** As for Fig. 3, but for Spring (MAM).



**Figure S3.** As for Fig. 3, but for Summer (JJA).



**Figure S4.** As for Figure 3, but for Autumn (SON).

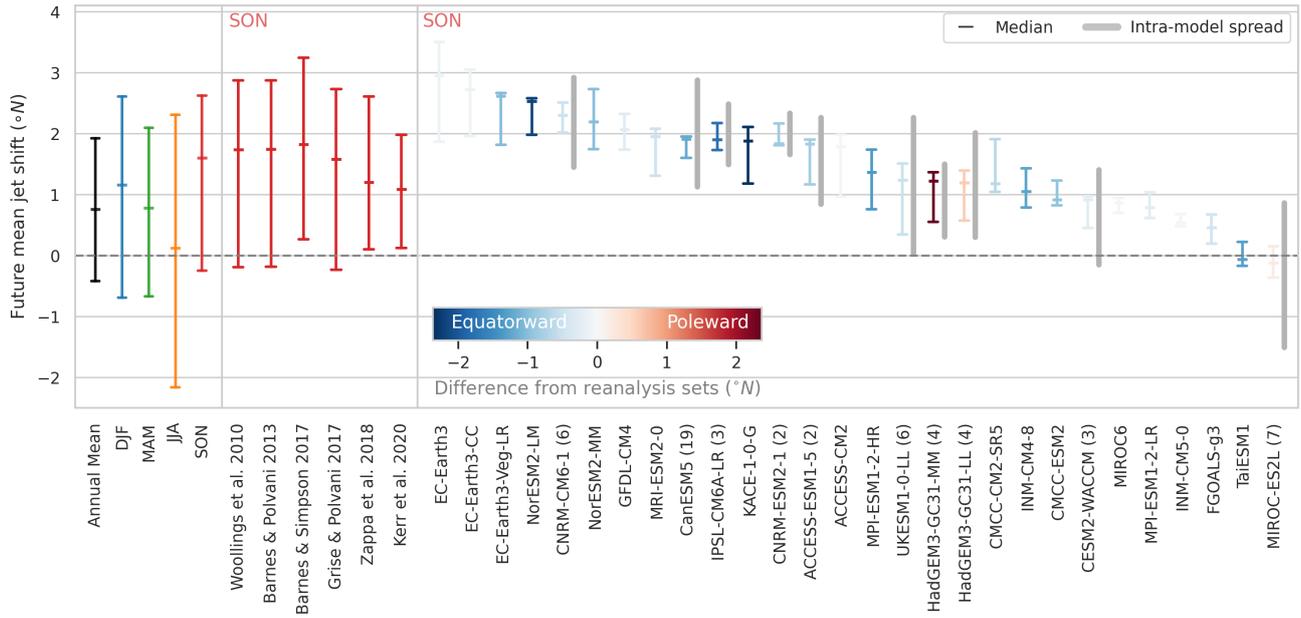


Figure S5. As for Figure 4a, but for Autumn (SON).

**Table S1.** Models and modelling centres of CMIP6 simulations used are listed in the first two columns. The number of realisations from the historical, SSP1-2.6, SSP2-4.5, SSP3-7.0, SSP5-8.5 experiments are shown in the remaining columns. See <https://www.ametsoc.org/PubsAcronymList> for expansions of modelling centre and model name

acronyms.

Model name	Modelling centre	historical	SSP1-2.6	SSP2-4.5	SSP3-7.0	SSP5-8.5
ACCESS-CM2	CSIRO-ARCCSS	1	1	1	1	1
ACCESS-ESM1-5	CSIRO-ARCCSS	2	2	2	2	2
CanESM5	CCCma	19	19	19	19	19
CESM2-WACCM	NCAR	3	1	1	1	4
CMCC-CM2-SR5	CMCC	1	1	1	1	1
CMCC-ESM2	CMCC	1	1	1	1	1
CNRM-CM6-1	CNRM-CERFACS	6	6	6	6	6
CNRM-ESM2-1	CNRM-CERFACS	2	2	2	2	2
EC-Earth3	EC-Earth-Consortium	1	1	1	1	1
EC-Earth3-CC	EC-Earth-Consortium	1	0	0	0	1
EC-Earth3-Veg	EC-Earth-Consortium	1	1	1	1	1
FGOALS-g3	CAS	1	1	1	1	1
GFDL-CM4	NOAA-GFDL	1	0	0	0	1
HadGEM3-GC31-LL	MOHC	4	0	0	0	4
HadGEM3-GC31-MM	MOHC	4	0	0	0	4
INM-CM4-8	INM	1	1	1	1	1
INM-CM5-0	INM	1	1	1	1	1
IPSL-CM6A-LR	IPSL	3	3	3	3	3
KACE-1-0-G	NIMS-KMA	1	1	1	1	1
MIROC-ES2L	MIROC	7	0	0	0	7
MIROC6	MIROC	1	1	1	1	1
MPI-ESM1-2-HR	DKRZ	1	1	1	1	1
MPI-ESM1-2-LR	MPI-M	1	1	1	1	1
MRI-ESM2-0	MRI	1	1	1	1	1
NorESM2-LM	NCC	1	1	1	1	1
NorESM2-MM	NCC	1	1	1	1	1
TaiESM1	AS-RCEC	1	1	1	1	1
UKESM1-0-LL	MOHC	6	6	6	6	6

**Table S1**